Academic Senate

REVISED Agenda for the Meeting of April 25, 2017

UCB 202A

10:00 - 11:00 am Session

- 1. Call to Order and Roll Call
- 2. Approval of Minutes
 - A. April 4, 2017 minutes
- 3. Open Forum
- 4. Reports
 - A. Senate President Khagendra Thapa
 - B. Senate Vice President Charles Bacon
 - C. Senate Secretary Melinda Isler
- 5. Committee Reports
 - A. University Curriculum Committee Kemi Fadayomi
 - B. General Education Task Force Clifton Franklund
 - C. Student Government Josh
- 6. Conversations with the Senate
 - A. Faculty Qualifications and HLC Dr. Robbie Teahen
 - B. HLC Quality Initiatives Jennifer Hegenauer
- 7. Old Business
 - A. ISI Cybersecurity Certificates Dr. Fadayomi
- 8. New Business
 - A. Doctor of Pharmacy Curriculum Revision Dr. Fadayomi
 - B. Certificate Program in Forensic Accounting Dr. Fadayomi
 - C. Motion to reconsider APR recommendation for Accountancy Programs SEC
 - D. NSSE Data Task Force/Committee Proposal Dr. Fadayomi
 - E. Athletic Team Certificates
- 9. Announcements
 - A. FSU President David Eisler
 - B. Provost Paul Blake
 - C. Senate President Khagendra Thapa
- 9. Open Forum

Academic Senate Academic Senate

Agenda for the Meeting of April 25, 2017

UCB 202A 11:00 -11:50 am Session

- 1. Call to Order and Roll Call
- 2. Open Forum
- 3. New Business
 - A. Election of Officers for 2017-2018 Academic Year Senator Drake
- 4. Open Forum
- 5. Adjournment

Academic Senate Academic Senate

Agenda for the Meeting of April 25, 2017

UCB 202A 11:00 -11:50 am Session

- 1. Call to Order and Roll Call
- 2. Open Forum
- 3. New Business
 - A. Election of Officers for 2017-2018 Academic Year Senator Drake
- 4. Open Forum
- 5. Adjournment

Report on Faculty Qualifications for the Academic Senate

April 25, 2016

Context

In 2014, the Higher Learning Commission published an early draft of its expectations concerning Faculty Qualifications. (It is important to note that HLC does not consider these new expectations but rather what had previously been expected and that in the past had been spelled out in the General Institutional Requirements.) The preliminary document was presented to the Academic Senate at their retreat in August 2015. Multiple conversations with departments, among deans and department chairs, and in various groups, including some all-college meetings, have ensued through the past two years.

The original guidance from HLC was modified in three significant ways before the final adoption in early 2016: (1) the concept of *Tested Experience* was introduced, to enable institutions to document equivalent qualifications to those stated in the guidance; (2) delaying the implementation date to September 1, 2017; and (3) enabling additional time for dual/concurrent-enrollment faculty. Copies of the final guidelines were disseminated to colleges shortly after their adoption in March 2016 and college leaders began their work of evaluating the status of their faculty's credentials. Find the full HLC document here: http://download.hlcommission.org/FacultyGuidelines 2016 OPB.pdf

Current Status

Effective September 1, 2017, all faculty teaching (adjunct and regular) for Ferris must meet the stated qualifications for the University to be in compliance with its accreditation requirements. In cases where the credentials (appropriate degrees in the discipline or sub-discipline) do not exist, the University will have an approved exception for Tested Experience. (See below for more on Tested Experience.)

Information about faculty qualifications must be posted on the Ferris website by fall 2017, which includes the degree, the major, the university, and in cases where alternative credentials are a basis in determining an individual to be qualified, a succinct statement of what that tested experience is should be included.

How will qualifications be documented?

One purpose of the acquisition of Digital Measures was to enable documentation of qualifications; another is to be able to produce evidence of scholarship and professional development, other areas of assuring quality in higher education and specified in HLC criteria. Evidence that verifies the qualifications of the faculty will be stored in Digital Measures.

Typically this information will include validated (by official transcript) degrees appropriate to the discipline.

In the limited number of cases where the appropriate degrees may not be held, acceptable equivalents will be provided in Digital Measures as well. Digital Measures templates exist for producing these reports to meet accreditation requirements and will serve as the source of our website information.

Who Will Enter the Data?

Individual faculty members may enter their own credentials, or others responsible for assuring the qualifications (typically department chairs) may arrange to have the minimum data entered.

Who will confirm credentials and/or tested experience?

Qualifications will be determined at a level appropriate within the college. In most cases, it will be department chairs or program coordinators who will recommend appropriate credentials. These determinations will be verified by the dean and constitute a recommendation to the Provost's Office concerning qualifications required or tested experience acceptable as a substitute. This process of approvals will eventually be built into Digital Measures work flow plans – from the department to the dean to the Provost's Office. Until this process is available, forms will be provided to the colleges for this documentation.

What documentation is required?

Official transcripts must be on file for all Ferris faculty and many other Ferris professionals. A blanket statement about which transcripts are required is not possible. As a general rule, official transcripts must be available at Ferris for any coursework that is qualifying an individual for his/her role. Thus, if a person's specialty was developed in an associate degree, that transcript is required; if the specialized disciplinary work (minimum of 18 hours) is in the Masters' degree, then that is a required transcript. In every case, the transcript for the highest degree should be on file.

If these transcripts are not currently available, individuals will be asked to supply these.

In its criteria, HLC specifically specifies that "staff members providing student support services, such as tutoring, financial aid advising, and co-curricular activities, are appropriately qualified, trained, and supported in their professional development. Thus, those fulfilling these roles, as well as all mid-level and above administrative personnel must also have their qualifications documented.

What constitutes tested experience?

HLC defines tested experience in this way: "Assumed Practice B.2. allows an institution to determine that a faculty member is qualified based on experience that the institution determines is

equivalent to the degree it would otherwise require for a faculty position. This experience should be tested experience in that it includes a breadth and depth of experience outside of the classroom in real-world situations relevant to the discipline in which the faculty member would be teaching." The guidance also expressly notes that experience teaching in and of itself is insufficient.

Given the specialized nature of many Ferris programs, and the fact that masters' degrees do not exist in some fields, we anticipate seeing much of the tested experience at Ferris being reflective of years of practice in the profession at a level appropriate to the field in which the individual teaches. Other reasonable rationale may also be presented. As "tested experience" is considered, reviewers should consider two primary factors. First, the experience should be equivalent to a masters' in a discipline; and, second, the department should acknowledge that this experience sets a new minimum for future faculty hires.

What happens if an individual does not have the credentials or appropriate tested experience?

Individuals who meet neither of these criteria have had the past two years to complete necessary coursework or to gain required experience. As of September 1, 2017, any in this situation are not qualified to teach Ferris courses. Adjunct personnel who fail to meet minimums will likely not be scheduled in the future. Regular personnel may need to be reassigned to positions where they meet minimum qualifications. Given the flexibility of the Tested Experience option and the heightened hiring expectations of the past several years, it is not expected that many, if any, regular personnel will fail to meet the minimums.

How do these expectations relate to dual or concurrent enrollment?

Ferris sought an extension for the dual- and concurrent-enrollment qualifications. Thus, individuals teaching in those areas have a few more years to become qualified. For most, this will include completion of courses in the discipline from a university and at the proper level (typically graduate). HLC has explicitly defined a required minimum of 18 hours at the proper level in the discipline or subdiscipline. Any individuals who are teaching in these high-school-partnership programs and who do not meet the faculty qualifications expectations must have a plan for acquiring the proper credentials by Academic Year 2020-21. Although the Ferris extension for dual enrollment extends until 2022, our expectation is that all of our faculty will be fully qualified at the time of our next comprehensive visit in 2020-21.

What about advertising for current and future positions?

Effective immediately, all job postings must conform to the new faculty requirements and specify these as a minimum. Hires of individuals failing to qualify through either educational credentials and/or tested experience should not be employed. To remain in compliance with our regional accreditor's standards, all faculty must be fully qualified (except as noted above for dual-enrollment personnel) by September 1, 2017.

The Academic Senate moves to reconsider the motion to support the APR recommendation for the Finance programs of continue with reporting.
The Academic Senate moves to support the recommendation of the APR for the Finance programs to continue with reporting.
The Academic Senate moves to support the continuation of the Finance program.

Minutes Ferris State University April 4, 2017- 10:00 a.m.

Members in Attendance: Alspach, Bacon, C., Bacon, M., Bajor, Balanda, Baran, Berghoef, Brecken, Bright, Conley, Cronk, Dinardo, Drake, Epps, Fadayomi, Foulk, Fox, Gray, Hancock, Hanna, Ing, Ilser, Lewis, Maike, Piercey, Pisani, Rumpf, Shimko, Stone, Thapa, Todd, VanLent, Wancour

Members absent with cause: Briggs, Jenerou, Marion

Members absent: Mattis

Ex Officio and Guests: Damari, Durst, Eisler, Franklund, Garrison, Nicol, Hawkins, Martin, Venkatesh, Emerick, Dawson, Johnson, M., Schmidt, Zimmer, Haneline

1.	President Thapa called the meeting to order at 10:06 a.m.
2.	Approval of Minutes. Senator Peircey moved to approve the minutes. Senator Stone requested a correction of her comments to include "something that the faculty are eligible for in a second year." Senator Mary Bacon seconded. The motion passed 96% to 4%.
3.	Open Forum. Senator Fadayomi brought up the idea of a task force to review the data that Cliff Franklund had presented to the senate about factors that lead to retention. Associate provost Johnson said a senate task force could be formed and not organized by Academic Affairs. Senator Fadayomi said she viewed this task force as being able to get the information out to the faculty. General Education Coordinator Cliff Franklund said a group to bring forth data and make recommendations might be a useful group to have for HLC accreditation. Senator Fadayomi said it was not just an HLC issue but a way to close the loop on assessment data. Senator Alspach noted that the 12 th annual Heart-to-Heart basketball game will be happening to raise money for the Special Olympics. Senator Gray noted that there was going to be an expansion of Tot's Place.
4.	Officer Reports/ President Report President Thapa recognized Senator John Gray who had just been awarded the Distinguished Teacher Ward. Vice-President Bacon asked Senator Stone to give an update on the Graduate Education Task Force. Senator Stone said they continue to work through issues in order to have their work done in April 2018. Issues discussed include a 4-4 teaching load, role of grants and research, organizational structure and other issues. Vice-President Bacon also asked Diversity Committee chair Anil Venkatesh to report on their work. The committee has three recommendations 1) a single calendar for all diversity related events (and one that can be imported into Outlook calendars), 2) raise awareness about the process for appointint members and possibly expanding membership. They said it would have been helpful to have a librarian member and OMSS. 3)Utilize the macroaggression and other training on campus. Secretary Isler had no report.
5.	Committee Reports UCC Chair Kemi Fadayomi discussed with the Senate the number of proposals that are being finished. She pointed out some proposal held for paperwork and encouraged senators to make sure college committees submitted full proposals to reduce delays. She also had a brief discussion on form B's which recommends that the response form on Biology's concern (Form B) should also have been directed back to the department as well as the UCC. She also stressed the new requirement of a term-by-term plan for completion. Senator Gray said this did not match the documentation in the manual. Senator Drake presented the election results and noted an election was in process for the open seat in Optometry. General Education Coordinator Cliff Franklund said that he has accepted a renewal of his appointment as coordinator. He mentioned the work on web focus reports and the training site. Senator Zyla asked about the

issue of general education in associates degrees? Franklund said this was a problem which lead to issues for those students who continue into a bachelors program and they were shaping a program to work with this. He asked where such a process goes for approval? UCC chair Fadayomi suggested the UCC. Associate-Provost Johnson said such a proposal could go directly to the Senate for approval.

Student Government President Josh Olszweski reported on recent events including the Leadership conference and the elections process. Senator Alspach asked about the levels of funding provided for Music take Actions and pointed out that students traveling to conferences were capped for funding at \$2000.00. President Olszewski said he would get the precise number but noted that Entertainment Unlimited funding is different from Finance Division and a priority is placed for higher funding for campus based events.

6 Interdisciplinary Task Force on Collaboration.

Senator Piercey made a motion to approve the task force recommendations. Senator Gray seconded. He noted there were some changes including the grant funding application process after the previous month's discussion. Senator Lewis raised the question about a recommendation about an appointment for an administrative position which he felt was not within the scope of the academic focus of the Academic Senate. Senator Bajor agreed and added that this appeared to be another layer of bureaucracy that added to an already bloated system. President Thapa reminded the Senate that our recommendations are only advisory. Senator Piercey responded that while there is a program for a single course there are not the processes that allow for interdisciplinary and that was what generated the task force. The coordinator position is designed to be a faculty position backed by a faculty committee. Senator Baran noted that new courses needed to currently be in a college to go through the process. Senator Balanda said the purpose of the recommendations is to prevent it from being a top-down operation. Senator Hanna thanked Piercey for addressing his earlier concerns and recommended that the new director should be able to demonstrate experience be promoted across all colleges. Senator Fadayomi noted that this would support co-teaching. Senator Berghoef said this would help to enforce what is often talked about but never down. The motion passed 70% to 24% with 6% abstaining.

7a New Degree- AA in Integrative Studies

Chair Fadayomi moved to approve the new degree Senator Berghoef seconded. Senator Alspach ask ed how this was different from the AA in Liberal Arts. Senator Piercey noted it this was a more focused version than that degree. Senator Alspach noted it appeared to be a major in career exploration. Motion passed 66% to 30% with 3% abstaining.

7b New Degree- Associates in Science (Natural Sciences Program

Chair Fadayomi moved to approve the new degree. Senator Mary Bacon seconded. Chair Fadayomi noted this was a degree with many paths and that one was selected to fill the term-by-term requirement. Biology Chair Beth Zimmer noted this degree was jointly developed with Physical Sciences. Vice-President Bacon questioned whether or not the degree was so nebulous that it had a real value. Senator Bajor noted that this degree, like some in Business had 300 level classes listed. Motion passed 75% to 22% with 3% abstaining.

7c New Degree- B.S. in Biochemistry

Chair Fadayomi moved to approve the new degree. Senator Balanda seconded. Motion passed 88% to 6% with 6% abstaining. Senator Alspach noted in the previous proposals three different communications courses were listed (103, 121 and 122). And these courses focused on different aspects of the discipline.

7d New Certificate- ISI Cybersecurity Certificate

Chair Fadayomi moved to approve the new degree. Senator Mary Bacon seconded. Senator Foulks noted that the course entitled "Ethical Hacking" was not a proper usage of the word ethical. Senator Hanna noted other courses were also using that term. Because the program representative had to leave. Senator Hanna made a motion to postpone the proposal until the April 25th meeting. Senator Gray seconded. Motion to postpone passed 82% to 18%.

8. Announcements/Presidents Report.

President Eisler said he encouraged all to participate in the Festival of Cultures. He noted some cuts have been made into the budget project and there were some issues including reimbursement at community college rates, which they were working to change. .

	Provost Blake was absent. Vice-Provost Johnson noted that the Provost was at HLC training and would be able to answer questions about faculty credentials at the next meeting. President Thapa thanked the Senators for their support during his years on the Senate.
9.	Open Forum Senator Alspach expressed her appreciation for the standing committee reports and suggested that the recommendations be introduced as motions at a future meeting. Senator Wancour noted the Gifts and Grants committee had recently passed out Merit grants to faculty and staff. Senator Fadayomi said she planned to present a motion at the next motion about the task force. Senator Berghoef thanked the Diversity Committee for their suggestions.
10.	The meeting was adjourned at 11:37a.m.



Summer faculty-led study abroad procedures

- 1. **Proposal**: All faculty intending to participate in a faculty-led study abroad program are required to submit the following documents:
 - Study Abroad intent form
 - Study Abroad proposal

Colleges are required to submit their faculty's study abroad intent forms to the Office of International Education (OIE) by **September 1st** for programs traveling the following summer. Completed proposals are due to the OIE by **October 15th** however, extensions are possible. The proposal approval process is outlined on the study abroad proposal form.

2. **Program promotion and materials**: Once a program has been approved, the Office of International Education will create tailored flyers for each program in consultation with the lead faculty.

The study abroad fair will take place during the **3**rd **week of September.** OIE will reserve the event space and provide the tailored flyers for each program. OIE will invite the Office of Financial Aid and Honors Program to participate in the fair, and will also provide information about scholarships. An additional information session will be organized by OIE in **January**.

3. Student applications:

- a.) The study abroad student application will be available once a program has been approved by the President's Office. The application consists of 3 components:
 - Application form
 - o Program budget sheet
 - \$100 deposit towards the program cost
- b.) All study abroad students are required to submit each of these components to the Office of International Education to apply for their program. In the case that the program or the student doesn't travel, deposits will be refunded to the students so long as program expenses have not been accrued by the student.
- c.) For summer faculty-led study abroad programs, student applications will be accepted until February 25th, though late applications will be accepted on a case-by-case basis.
- 4. **Final approval**: March 1st the deadline for programs to meet their minimum required enrollment. Final program approval will be given by the Dean's Office by March 15st. Final course approval is contingent upon the faculty's contractual guidelines. Guidelines may vary within the College.



- 5. **Logistical planning**: Once programs have been approved and minimum enrollment has been met, faculty will work with Education Abroad Coordinator (EAC) to organize the travel planning for approved students. Faculty have 3 options for logistical implementation of programs.
 - 1. EAC facilitated all program expenses are purchased by EAC and charged through his/her corporate card
 - 2. Professional Travel facilitated faculty leader will organize travel details with the university approved agent, Professional Travel, and billing will be completed by OIE.
 - c. Third party faculty will work with in-country preferred vendors. All third party vendors will require an active contract with Ferris State University and per Section III C. of <u>Business Policy 2012:13 Contracting Policy</u>, "The University's General Counsel's Office or Board Counsel, prior to execution, must review all contracts with a foreign entity."
- 6. **Financial management**: OIE serves as the FOAP manager for all programs. Prior to travel, faculty and OIE will agree to final budget for the program and this budget will be shared with the sponsoring faculty's Dean's office. The sponsoring faculty's Dean's Office be responsible for any expenses that occur outside of the final budget.
- 7. **Billing**: All student billing for summer programs will take place on April 15th. Students will be provided with a detailed receipt prior to travel with all program expenses. Faculty will not directly take funds from students for any program expenses. Final costs for the program should be set by the faculty by April 1st to ensure the April 15th billing date.
- 8. **Faculty trave**l: All faculty are expected to abide by <u>Business Policy 2012:15 Transportation and Travel Policy</u>. A copy of this policy will be provided to faculty by OIE at the time of program approval.
- 9. **Pre-departure**: The Office of International Education will invite all students to participate in a pre-departure orientation meeting during the month of April. Prior to departure, student enrollment will be verified and shared with the sponsoring College. Only students enrolled in pre-approved classes will be permitted to travel.
- 10. **Crisis Management**: In the event of an emergency, faculty can consult with the Crisis and Risk Management Guide (CRMG) and with OIE.
- 11. **Non-summer programs**: For faculty-led programs traveling at other times during the academic year, the timeline will be determined in consultation with the faculty and Dean of the sponsoring college and agreed upon during the proposal process.



Process for Study Abroad procedure development

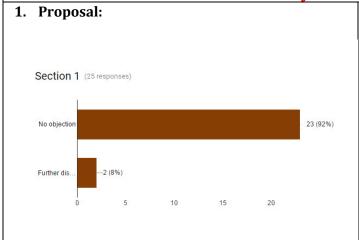
- ➤ OIE requested the Senate International Education Committee to authorize OIE to work with faculty on developing faculty-led study abroad procedures, on March 1st.
- The committee approved this request on March 3rd.
- A total of 30 faculty (from 4 Colleges) with study abroad experience were initially contacted to participate in reviewing the drafted procedural document
- ➤ Director of OIE & Education Abroad Coordinator met with 20 faculty members in 15 separate meetings to review procedures and collected feedback.
- A further **6 faculty** provided feedback via email
- Using the feedback from those **26 faculty**, the document was drafted and a first round of voting was established to narrow down the parameters for the dates and deadlines in the document
- Faculty were given access to a living online document with everyone's feedback available for comments. Document can be accessed at: https://goo.gl/gaKYTu
- ➤ 1st survey Voting on dates and deadlines (Starting March 28th)
 - 30 faculty were invited to participate in the 1st phase of voting
 - The first survey had **7 questions**
 - 25 faculty voted
- > 2nd survey Voting on the final document (Starting April 6th)
 - 30 faculty were invited to participate in the 2nd phase of voting
 - The second survey had **11 questions**
 - 25 faculty voted
 - Summary of results (see following pages)

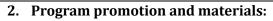
FERRIS STATE UNIVERSITY

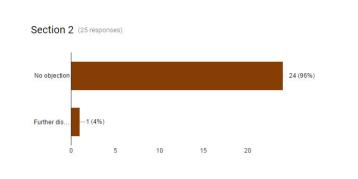
OFFICE OF INTERNATIONAL EDUCATION

Results of 2nd Survey on Summer faculty-led study abroad procedures:

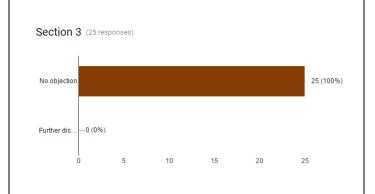
25 faculty voted on each section



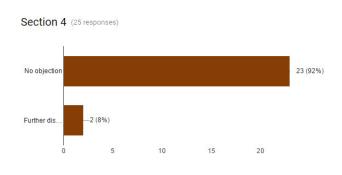




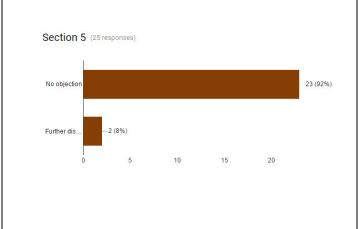




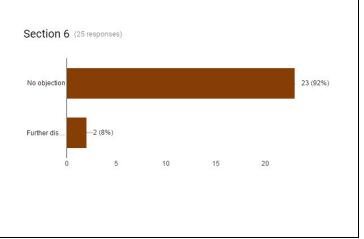
4. Final Approval:



5. Logistical Planning:

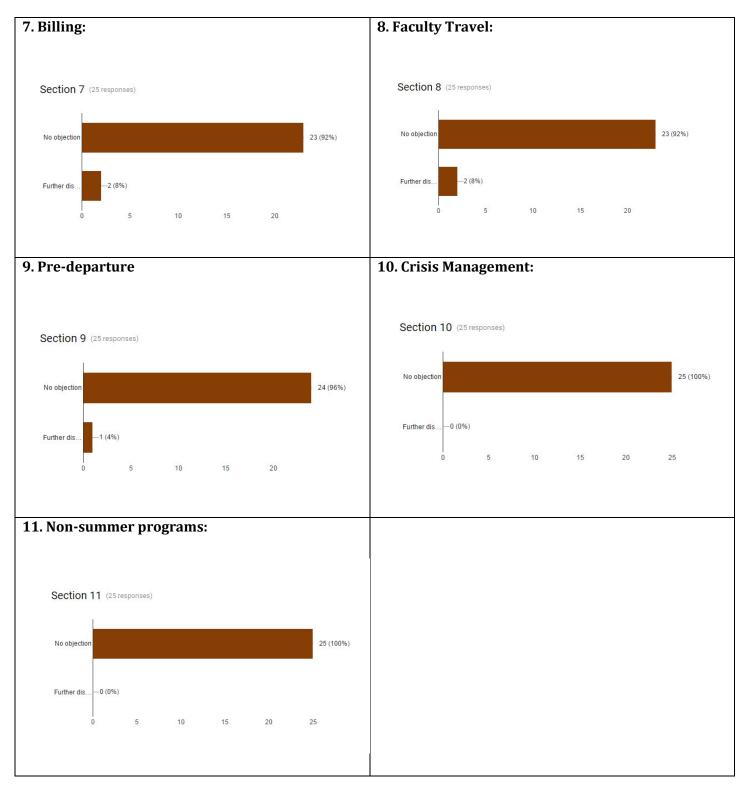


6. Financial Management:



FERRIS STATE UNIVERSITY

OFFICE OF INTERNATIONAL EDUCATION



Doctor of Pharmacy Degree

Curriculum Revision Proposal

College of Pharmacy
2017 (Updated 4/5/17 per UCC)

Table of Contents

Section	Page
	Number
Form A with Summary of Proposal	3
Preliminary Curriculum Approval Form	9
Current Doctor of Pharmacy Check Sheet	14
Proposed Doctor of Pharmacy Check Sheet	22
Revised Programmatic Ability-Based Outcomes	25
Mapping of Ability-Based Outcomes by Course (Proposed)	30
Mapping of Entrustable Professional Activities by Course (Proposed)	31
Consultation Forms	33
Form EF's for New Required Courses	38
Course Deletions of Existing Required Courses	152
Renumber of Elective Courses and Forms (Form EF New and Deletes)	240
Proposed PharmD/MBA Articulation	418
Overview of Curricular Implementation Committee and Faculty Concerns	420

CURRICULUM PROPOSAL SUMMARY AND ROUTING FORM

Proposal Title: Doctor of Pharmacy Degree Revision

Initiating Individual: Greg Wellman

Initiating Department or Unit: College of Pharmacy

Phone: wellmang@ferris.edu; 231-591-2304 Contact Person's Name Fmail:

NOTE: ALL required forms must be submission of the proposal to the			FORM (checkboxes indicate typically required forms specific to the curricular action)						
		_	PCAF	A	B-UND	C	D	EF	FIN
PROPOSAL GROUP: See Table B-7 In the	UCC Manual for description.		Link		B-GRA	_			3 7 - 1 1
I-A: New Degree, major, concentration	, minor, or redirection of a current		\boxtimes	\boxtimes		\boxtimes	\boxtimes		⊠.
offering		na maka katanana	-		Petunonno	Section and Association			
I-B: Deletion of a degree, major, conce									
II-A: New Course, modification of a cou	irse, deletion of a course								
Check here if deleting a course									
II-B: Minor Curriculum Clean-up									
III: Certificate (☐ College Credit ☐ Nor	n-credit New Certificate)		TISM PROPERTY OF A						
IV: Other site location (☐ College Cred	it □ Non-credit)								
IV: Off Campus: Other site location (□	College Credit □ Non-credit)					70.54			
IV: Non-degree Offering : Other site lo	cation (□ College Credit □ Non-cre	dit)							
	PLEASE PRINT and SIGN YOUR NAME		DATE				0N * 1	Number	Count
Program Representative ** CO-CHAIR CUPE CULAR FEBRULD TO	CRETERY WELLMAN	3	3/1/17		Supp		4L C-4		
PHEAMILY PRACT. DEPT VOTE;	Sugar Steller	יכוע			- Subt	Sunno	th Cor	icems	26
PHEAMILY PRACI. DEPT VOIC.	O-NOTSUADRTS	2-A	357411	1 -	Abst	ain	שלי	TAL	
Department/School/Faculty			2/25/	17	30 Supp	ort			
Representative Vote **	FACULTY VOTE -	13	2/28/1	7 -	3 Supp			cerns	
PHARMACEUT SCI DONT LOTE; 10-	SUPPORT; 1-NOT SUPPOR	T	JOTAL	12	/_ Not /_ Abst		rt		
Department/School Administrator	11 11 100-11				X Supp				
John Jameson	KIM HADEVEK	21	1/20	17			th Cor	cerns	
John	KIN HANCOCK Kim Hancock	01	1 000		Abst	Suppo	rc		
College Curriculum Committee/Faculty	1	1	/ /		9 Supp		7.77	597,532,000,00	
	CREGory WELLMAN	10/	20/17		O Supp	ort w	th Con	icerns	
_	Lieu 500000		///		O Not	Suppo	rt		
UCC Representative	and the		1	-	O Abst			4.6. 13	
OCC Representative	CRETERY WHENAN	3,	2/	2	Holo				
	frex telles		117			Suppo	rt		
Dean 4	STEPHOLL DUESA		. I		∠ Supp				
5		3/	2/17	,			ith Cor	ncerns	
University Curriculum	7000	-	1.		Not	Suppo	rt		
Committee **	· ·	1					ith Cor	cerns	
Committee						Suppo			
					Abst	ain			
Senate **					Supp		ć.		
							ith Cor	icerns	
		ķ.			Not Abst	Suppo	11		
Academic Affairs				2 1227	Supp				
entrom management de montre anno montre de montre anno de montre anno de montre anno de montre anno de montre a					Hölö				***************************************
	and the second second		1000		Not ationale.	Suppo	rt		

Mulliper Count	must be given for all me	embers present and/or voting.
To be completed b	y Academic Affairs	Date of Implementation:

1. Proposal Summary: (Summary is generally less than one page. Briefly state what is proposed with a summary of rationale and highlights)

This curriculum proposal originates from a committee formed in 2015 and charged with the responsibility to review and update the Doctor of Pharmacy curriculum to "meet the newly adopted, ability-based, Doctor of Pharmacy curricular outcomes and the updated ACPE Standards (2016)."

Members

The following individuals were appointed to the committee:

Curtis Smith, Pharm.D., Professor, Pharmacy Practice (Co-Chair)

Greg Wellman, Ph.D., Professor, Pharmacy Administration

Tracey Boncher, Ph.D., Professor, Medicinal Chemistry

David Bright, Pharm.D., Associate Professor, Pharmaceutical Sciences

Heather Girand, Pharm.D., Professor, Pharmacy Practice

Kim Hancock, Ph.D., Professor, Pharmaceutics

Brad Isler, Ph.D., Professor Biology, College of Arts and Sciences

Lisa Meny, Pharm.D., Associate Professor and Experiential Coordinator, Community

Anne Ottney, Pharm.D., Associate Professor, Pharmacy Practice

Lisa Salvati, Pharm.D., Assistant Professor, Pharmaceutical Sciences

Mandy Seiferlein, M.P.A., Director of Assessment

Paul Thill, Pharm.D., Professor, Pharmacy Practice

Uzoma Anyanetu, Student Representative

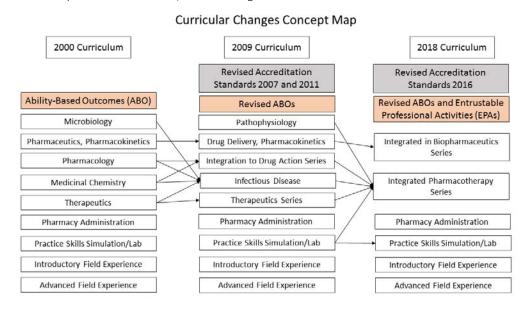
Preston Taylor, Pharm.D., Student Representative and Graduate

Philosophy of the Curriculum and Rationale

The educational philosophy of the Doctor of Pharmacy program at Ferris State University aligns with the College mission to educate and support professionals who positively influence and impact the health outcomes of the people they serve. Since implementation of the 2009 curriculum the Accreditation Council on Pharmacy Education (ACPE) has made two revision of the requirements of Doctor of Pharmacy programs (2011 and 2016). In addition, the Center for the Advancement of Pharmacy Education (CAPE), working on the recommendation of the American Association of College of Pharmacy (AACP) and in conjunction with a number of inter-disciplinary health profession associations, revised recommended outcomes for curricular outcomes for Doctor of Pharmacy programs. This curriculum proposal is built from the faculty approved (2014), revised Doctor of Pharmacy ability-based outcomes (ABOs) designed to prepare students with the knowledge, skills and behaviors necessary to meet this mission. These ABOs (see proposed check sheet) are divided into 4 broad domains: foundational knowledge, essentials for practice and care, approach to patient care and personal and professional development. The curriculum provides students with a balanced foundation in the biomedical, pharmaceutical, social and administrative, and clinical sciences. In addition, it incorporates changes already underway in the current curriculum to meet the evolving accreditation standards. It integrates a variety of learning and assessment techniques throughout the program to ensure students' progressive attainment of the ability-based outcomes.

The Process

The Curricular Rebuild Committee began convening in the summer of 2015, and since then have met formally more than 30 times as part of the development of this proposal. In the early stages, a number of different Doctor of Pharmacy curriculum delivery formats were reviewed, including traditional discipline-specific course structure, modular system-based structure and hybrids. Curriculum from a number of different colleges were reviewed. The decision was made to continue integration of discipline specific content (e.g. pathophysiology, medicinal chemistry, pharmacology, and therapeutics) building on the experiences of similar integration in the 2009 curriculum (see figure below). The over-arching purpose of this integration is to better synchronize delivery of up-to-date pharmacotherapy, reduce duplication of content, and provide a curricular platform for a better fusion of pharmaceutical science and clinical practice in a classroom, active learning and simulation environment for students.



Curricular Component Summaries

Foundations of Pharmacotherapy Sequence

The purpose of these courses (PHAR 519 & 520) is to bridge the knowledge gap between the pre-pharmacy curriculum (e.g. biochemistry, anatomy and physiology) and the integrated pharmacotherapy sequence that begins in the P2 year.

Dosage Forms and Biopharmaceutics/Pharmacokinetics Sequence

Dosage Forms and Biopharmaceutics (PHAR 523) introduces pharmacy students to pharmaceutical dosage forms, formulation science, routes of administration, biopharmaceutics and introductory pharmacokinetics principles with a focus on solution and suspension dosage forms. Dosage Forms and Pharmacokinetics (PHAR 524), the second course in the series, will emphasize solid dosage forms and more advanced pharmacokinetics.

Pharmacy Skills and Patient Care Lab Sequence

The courses (PHAR 587 & 588) will focus on topics such as: non-sterile compounding, calculations, drug information, physical assessment, and communication skills that fit into the Joint Commission of Pharmacy Practitioners Pharmacists' Patient Care Process. Additional topics include: sterile compounding, calculations, physical assessment, presentation skills, drug literature, medical records, and medication safety.

Introductory and Advance Practice Experience Sequence

The experiential curriculum is designed to focus on specific outcomes to expose students to common contemporary practice models, including interprofessional practice and direct patient care. The introductory pharmacy practice experiences (IPPEs) are structured and sequenced to develop a clear understanding of what constitutes exemplary pharmacy practice. 300 hours of IPPE are required by accreditation, with 150 occurring in each of the community (PHAR 593) and hospital setting (PHAR 693). In PHAR 691 & 791: Direct Patient Care IPPE, students will focus on direct patient care, interprofessional collaboration and cultural sensitivity. The advanced pharmacy practice experiences (APPEs) make up the entirety of the 4th professional year. The proposed curriculum will maintain the same structure of 6, 6-week APPE's making up the 4th professional year of the program. Students will be required to take Ambulatory Care, Inpatient Medicine, Community Pharmacy, and Health System APPE's. Students will continue to have the opportunity for 2 APPE electives.

Pharmacy Administration, Drug Information and Research and Analytical Methods

Pharmacy and Health Care Systems 1 (PHAR 515) and 2 (PHAR 516) is intended to provide students with an overview of pharmacy and health care systems in the US and around the world. The Pharmacy Practice Management 1 and 2 course sequence covers the fundamentals of human resource management, operations management, financial management, project management and leadership/entrepreneurship. It will also cover pharmacoeconomics. Pharmacy Law covers the necessary law for preparation for practice and the board exam. The Drug Information, Informatics and Biostatistics course covers the provisions of contemporary drug information and helps to prepare the student to read and understand the primary medical literature with an understanding of the different analytical methods used.

Integrated Pharmacotherapy Sequence

Integrated Pharmacotherapy (PHAR 619 to 624; PHAR 719 to 724) is designed to combine and streamline the content formerly provided in the pathophysiology, drug action, infectious diseases, pharmacotherapeutics and 2nd and 3rd year laboratory courses. The coursework each week is split among lecture hours, active learning (AL) sessions and laboratory. The final course in the sequence (PHAR 724 - P3 spring semester) is designed as a Pharmacotherapeutic review (spiraling, review, updates, new guidelines, etc.) and for the APPE preparation.

PharmD Seminar

The	- Doctor	of I	Pharmacy	seminar is	intended t	o he a d	ranstone	problem	solving an	d presentation	experience
1111		OI I	i iiaiiiiac,	3CIIIIII III I	millenaca i		Japatone	PIODICIII	JUIVILIE GIT	a presentation	CAPCITCHCC.

2.	Summary of Currice	ular Action (Check a	II that apply to th	is proposal)		
	☐ Degree	☐ Major	☐ Minor	☐ Concentration	☐ Certificate	☐ Course
	☐ New		☐ Deletion			
	Name of Degree, M	laior, etc.: Doctor of	f Pharmacy Degre	e (Pharm.D.)		

Summary of All Course Action Required:

A. Newly Created Courses to be Added to the Catal	A.	Newly	Created	Courses	to be	Added	to	the	Catalo
---	----	-------	---------	---------	-------	-------	----	-----	--------

Prefix	Number	Title
New Required	Courses (Proposed Curriculum):
PHAR	515	Pharmacy & Health Care System 1 (Page 39)
PHAR	516	Pharmacy & Health Care System 2 (Page 42)
PHAR	519	Foundations of Pharmacotherapy 1 (Page 45)
PHAR	520	Foundations of Pharmacotherapy 2 (Page 48)
PHAR	523	Dosage Forms and Biopharmaceutics (Page 51)
PHAR	524	Dosage Forms and Pharmacokinetics (Page 54)
PHAR	531	Over-the-Counter Pharmacotherapy (Page 57)
PHAR	587	Pharmacy Skills and Patient Care Lab 1 (Page 60)
PHAR	588	Pharmacy Skills and Patient Care Lab 2 (Page 63)
PHAR	593	Medication Distribution Community IPPE (Page 67)
PHAR	619	Integrated Pharmacotherapy 1 (Page 69)
PHAR	620	Integrated Pharmacotherapy 2 (Page 72)
PHAR	621	Integrated Pharmacotherapy 3 (Page 75)
PHAR	622	Integrated Pharmacotherapy 4 (Page 78)
PHAR	623	Integrated Pharmacotherapy 5 (Page 82)
PHAR	624	Integrated Pharmacotherapy 6 (Page 85)
PHAR	630	Pharmacy Practice Management 1 (Page 88)

PHAR	640	Drug Literature, Informatics and Biostatistics (Page 91)
PHAR	691	Direct Patient Care IPPE 1 (Page 95)
PHAR	693	Medication Distribution Health System IPPE (Page 98)
PHAR	719	Integrated Pharmacotherapy 7 (Page 101)
PHAR	720	Integrated Pharmacotherapy 8 (Page 104)
PHAR	721	Integrated Pharmacotherapy 9 (Page 108)
PHAR	722	Integrated Pharmacotherapy 10 (Page 112)
PHAR	723	Integrated Pharmacotherapy 11 (Page 116)
PHAR	724	Integrated Pharmacotherapy Capstone (Page 120)
PHAR	730	Pharmacy Practice Management 2 (Page 124)
PHAR	735	Pharmacy Law (Page 127)
PHAR	791	Direct Patient Care IPPE 2 (Page 130)
PHAR	800	Internal Medicine APPE (Page 133)
PHAR	802	Ambulatory Care APPE (Page 137)
PHAR	810	Institutional APPE (Page 141)
PHAR	811	Community APPE (Page 145)
PHAR	820	Doctoral of Pharmacy Seminar (Page 149)
Electives (Courses Being	g Renumbered:
PHAR	651	Introduction to Public Health (Page 242)
PHAR	652	Institutional Pharmacy (Page 244)
PHAR	653	Topics in Nutritional Biochemistry (Page 247)
PHAR	654	Current Controversies in Health Care (Page 249)
PHAR	656	Introduction to Pharmacy Law & Ethics (Page 251)
PHAR	657	Data Instrumentation and Analysis (Page 253)
PHAR	658	Pharmaceutical Science Seminar (Page 255)
PHAR PHAR	659 660	Botanical Supplements and Alternative Therapies (Page 257)
PHAR	664	Natural Product Toxins (Page 259) Research Elective in Medicinal Chemistry (Page 261)
PHAR	665	Selected Topics in Medicinal Chemistry (Page 263)
PHAR	667	Carcinogenesis (Page 265)
PHAR	668	Pharmacy and Geriatric Health (Page 267)
PHAR	669	Toxicology (Page 269)
PHAR	671	Pharmacoepidemiology (Page 271)
PHAR	672	Advanced Compounding (Page 274)
PHAR	750	Managed Care Pharmacy Practice (Page 276)
PHAR	751	Advanced Topics in Infectious Diseases (Page 278)
PHAR	752	Palliative Care (Page 280)
PHAR	753 754	Complementary and Alternative Medicine for the Clinical (Page 282)
PHAR	754 755	Special Topics in Community Pharmacy Practice (Page 284) Modical Passarshy Methods and Design (Page 286)
PHAR PHAR	755 756	Medical Research: Methods and Design (Page 286) Interdisciplinary Community Practicum (Page 288)
PHAR	757	Advance Cardiac Life Support (Page 290)
PHAR	758	Elder Care Initiative (Page 292)
PHAR	759	Special Populations: Pediatrics and Geriatrics (Page 294)
PHAR	760	Integrated Team Based Health Care (page 296)
PHAR	850	Academic APPE (Page 298)
PHAR	851	Drug Information APPE (Page 300)
PHAR	852	Prof Organization Manage APPE (Page 303)
PHAR	853	Community Management APPE (Page 305)
PHAR	854	Hospital Pharmacy Administration APPE (Page 308)
PHAR	855 856	Managed Care APPE (Page 310)
PHAR	856 857	Special Areas Comm Pharm APPE (Page 312)
PHAR PHAR	857 858	Veterinary Medicine APPE (Page 314) Nuclear Medicine APPE (Page 316)
PHAR	859	Special Topics Inpatient Medicine APPE (Page 318)
PHAR	860	Special Topics Ambulatory Care APPE (Page 320)
PHAR	861	Corporate Pharmacy MBA APPE (Page 322)
PHAR	862	Pharmaceutical Industry MBA APPE (Page 324)
PHAR	863	Health Systems Pharmacy MBA APPE (Page 326)
PHAR	864	International Pharmacy APPE (Page 328)
PHAR	865	Research APPE (Page 330)

B. Courses to be Deleted from FSU Catalog

Required Course Deletions (from Current Curriculum)

Prefix	Number	Title
PHAR	311	Medical Biochemistry (Page 154)
PHAR	312	Molecular Biochem and Biotech (Page 156)

```
PHAR
              315
                       Pathophysiologic Basis of Therapeutics 1 (Page 158)
              316
                       Pathophysiologic Basis of Therapeutics 2 (Page 160)
PHAR
PHAR
              318
                       Drug Delivery 1 (Page 162)
PHAR
              319
                       Drug Delivery 2 (Page 164)
PHAR
              328
                       Pharmaceutical Calculations (Page 166)
PHAR
              334
                       Pharmacy and Health Care in US (Page 168)
              335
                       Clinical Communications (Page 170)
PHAR
              340
                       Nonprescription Meds and Self-Care (Page 172)
PHAR
PHAR
              385
                       Practice Skills Lab 1 (Page 174)
PHAR
              386
                       Practice Skills Lab 2 (Page 176)
PHAR
              393
                       Community Intro Phar Practice Experience (Page 178)
PHAR
              411
                       Drug Action 1 (Page 180)
PHAR
              412
                       Drug Action 2 (Page 182)
              413
PHAR
                       Drug Action 3 (Page 184)
PHAR
              414
                       Drug Action 4 (Page 186)
PHAR
              421
                       Applied Micro/Infect Dis 1 (Page 188)
PHAR
              422
                       Applied Micro Infect Dis 2 (Page 190)
PHAR
              425
                       Pharmacy Practice Management 1 (Page 192)
              428
PHAR
                       Pharmacokinetics (Page 194)
PHAR
              485
                       Practice Skills Lab 3 (Page 196)
PHAR
              486
                       Practice Skills Lab 4 (Page 198)
PHAR
              491
                       Longitudinal Pt-Centered IPPE 1 (Page 200)
PHAR
              493
                       Institutional Introductory Pharmacy Practice Experience (Page 202)
PHAR
              511
                       Pharmacotherapeutics 1 (Page 204)
              512
PHAR
                       Pharmacotherapeutics 2 (Page 206)
PHAR
              513
                       Pharmacotherapeutics 3 (Page 208)
              514
PHAR
                       Pharmacotherapeutics 4 (Page 210)
              525
PHAR
                       Pharmacy Practice Management 2 (Page 212)
PHAR
              530
                       Pharmacy Law (Page 214)
PHAR
              535
                       Sociopharmacy and Professional Ethics (Page 216)
              540
                       Drug Info/Clinical Lit Evaluation (Page 218)
PHAR
PHAR
              585
                       Practice Skills Lab 5 (Page 220)
PHAR
              589
                       Integrated Case Studies (Page 222)
              591
PHAR
                       Longitudinal Pt-Centered IPPE 2 (Page 224)
PHAR
              600
                       Internal Medicine APPE (Page 226)
PHAR
              601
                       Internal Med 2 APPE (Page 228)
              602
                       Ambulatory Care 1 APPE (Page 230)
PHAR
PHAR
              603
                       Ambulatory Care 2 APPE (Page 232)
              610
PHAR
                       Institutional APPE (Page 234)
              611
                       Community APPE (Page 236)
PHAR
PHAR
              680
                       Doctoral Project (Page 238)
Electives Being Renumbered to be Deleted:
PHAR
              450
                       Introduction to Public Health (Page 322)
PHAR
              451
                       Institutional Pharmacy (Page 334)
PHAR
              453
                       Topics in Nutritional Biochemistry (Page 336)
PHAR
              455
                       Current Controversies in Health Care (Page 338)
PHAR
              457
                       Introduction to Pharmacy Law & Ethics (Page 340)
PHAR
              461
                       Data Instrumentation and Analysis (Page 342)
PHAR
              462
                       Pharmaceutical Science Seminar (Page 344)
                       Botanical Supplements and Alternative Therapies (Page 346)
PHAR
              463
              464
                       Natural Product Toxins (Page 348)
PHAR
PHAR
              466
                       Research Elective in Medicinal Chemistry (Page 350)
PHAR
              468
                       Selected Topics in Medicinal Chemistry (Page 352)
PHAR
              469
                       Carcinogenesis (Page 354)
PHAR
              470
                       Pharmacy and Geriatric Health (Page 356)
              474
PHAR
                       Pharmacoepidemiology (Page 360)
PHAR
              475
                       Advanced Compounding (Page 362)
PHAR
              476
                       Toxicology (Page 358)
PHAR
              551
                       Managed Care Pharmacy Practice (Page 364)
PHAR
              552
                       Advanced Topics in Infectious Diseases (Page 366)
PHAR
              553
                       Palliative Care (Page 368)
              554
                       Complementary and Alternative Medicine for the Clinical (Page 370)
PHAR
PHAR
              556
                       Special Topics in Community Pharmacy Practice (Page 372)
PHAR
              558
                       Medical Research: Methods and Design (Page 374)
                       Interdisciplinary Community Practicum (Page 376)
PHAR
              559
```

		PHAR	560	Advance	Cardiac Life Support (P	age 378)			
		PHAR	562	Elder Car	re Initiative (Page 380)				
		PHAR	563	Special P	opulations: Pediatrics a	and Geriatrics (Page 382)			
		PHAR	564	_	ed Team Based Health C	Care (Page 384)			
		PHAR	605		c APPE (Page 386)				
		PHAR	606		ormation APPE (Page 38				
		PHAR	609	_	anization Manage APPE	, ,			
		PHAR	613		nity Management APPE				
		PHAR	617		Pharmacy Administration	on APPE (Page 394)			
		PHAR	618	_	d Care APPE (Page 396)				
		PHAR	625		reas Comm Pharm APP				
		PHAR	626		ry Medicine APPE (Page				
		PHAR	628		Medicine APPE (Page 40	•			
		PHAR	650		opics Inpatient Medicin				
		PHAR	655		opics Ambulatory Care				
		PHAR PHAR	661 662		e Pharmacy MBA APPE eutical Industry MBA A				
		PHAR	663		ystems Pharmacy MBA .				
		PHAR	666		onal Pharmacy APPE (P.				
		PHAR	670		n APPE (Page 416)	age 414)			
	C.	Existing Cours			IAFFL (Fage 410)				
	C.	Prefix	Number	iodifica	Title				
		TTCTIX	Number		Title				
	D.	Addition of ex	xisting FSU	courses t	o program				
		Prefix			Number	Title			
		Click here to	enter text.	Click her	e to enter text.	Click here to ente	er text.		
	E.	Removal of ex	xisting FSU	courses f	rom program				
		Prefix			Number	Title			
		Click here to	enter text.	Click her	e to enter text.	Click here to ente	er text.		
4.	Sun	nmary of All Co	nsultations	5					
	Fori	m Sent (B/B-UC	GPC or C)		Date Sent	Responding Depa	rtment	Date Received & By Whor	m
	Fori	m B UGPC							
	Fori	m B College of	Business						
	Fori	m B Biology							
	Fori	m C							
	Fori	m FIN							
5.	Will	l External Accre ☐ Yes	editation be	e sought?	(For new programs or o ☑ No	certificates only)			
	If ye	es, name the or	rganization	involved	with accreditation for t	his program. Click here to	enter text.		
6.		PCAF required		□ No				emic Affairs website where PC	TAE is nosted 1
0.	13 a	TCAL TEQUITED	: \(\overline{\text{L}}\) (C3)		is the real approved:	: Ш тез 🖾 110 (п уез, з	apply lillk off Acade	mic Arians website where re	Ai is posted. J
7.	Pro	gram Checkshe	ets affecte	d by this	proposal (Check all that	apply to this proposal) RI	EQUIRED		
		Add Course	☐ Delete	Course	☐ Modify Course ☐	l Change Prerequisite	☐ Move from re	equired to elective	
		Move from elec	tive to req	uired	☐ Change Outcomes	and Assessment Plan	☐ Change Credit	t hours	
8.	List	all Checksheet	s affected	by this pro	oposal:				
	Coll	lege			Department		Program		
		k here to enter	text		Click here to enter tex	rt	Click here to ent	er text	

Form PCAF – Preliminary Curriculum Approval Form

Directions: This form should be completed using **11-point font** or larger, and should be no longer than six pages (excluding the signature/comment pages and references). For purposes of expediting the preliminary approval process, forms may be forwarded electronically by the initiator and from one administrative level to another.

Name(s) of proposal initiator(s): Click here to enter text.
Department(s)/College(s): College of Pharmacy

Type of curriculum change (check one):

☐ New minor requiring new courses/resources
□ New Concentration in existing degree/program
\square Curricular customization of existing program for off-campus cohort group
\square New certificate requiring 3 or more new courses and/or new resources
X Existing program redirection or shift in emphasis if 3 or more new courses and/or new

- 1. Name of degree, major, concentration, certificate, or minor. Briefly describe the curriculum plan/template: Doctor of Pharmacy
- 2. Target date for implementation: Fall, 2018
- 3. Briefly explain the rationale for this initiative. If the initiative involves customization of an existing program for delivery to an off-campus cohort group, also explain the nature of the proposed curricular customization.
 - Since implementation of the 2009 curriculum the Accreditation Council on Pharmacy Education (ACPE) has made two revision of the requirements of Doctor of Pharmacy programs (2011 and 2016). In addition, the Center for the Advancement of Pharmacy Education (CAPE), working on the recommendation of the American Association of College of Pharmacy (AACP) and in conjunction with a number of inter-disciplinary health profession associations, revised recommended outcomes for curricular outcomes for Doctor of Pharmacy programs. This curriculum proposal is built from the faculty approved (2014), revised Doctor of Pharmacy ability-based outcomes (ABOs) designed to prepare students with the knowledge, skills and behaviors necessary to meet this mission. These ABOs (see proposed check sheet) are divided into 4 broad domains: foundational knowledge, essentials for practice and care, approach to patient care and personal and professional development. The curriculum provides students with a balanced foundation in the biomedical, pharmaceutical, social and administrative, and clinical sciences. In addition, it incorporates changes already underway in the current curriculum to meet the evolving accreditation standards. It integrates a variety of learning and assessment techniques throughout the program to ensure students' progressive attainment of the ability-based outcomes.
- 4. Are there similar programs at other Michigan universities? If so, where? What is the enrollment in the other programs? Wayne State University: Approximately 90, University of Michigan: Approximately 80

- 5. Briefly explain any similarities of the proposed initiative (program objectives and/or curriculum) with already established FSU or KCAD programs: None.
- 6. Briefly describe indicators of the employment market for students completing this initiative, including sources used for employment information/data.
 - The Aggregate Demand Index (http://pharmacymanpower.com) provides updated information on supply and demand for pharmacists in each state. Overall, 13 states show moderate demand, 35 states show a balance between supply and demand, and 3 states show moderate surplus. The State of Michigan is rated as a balanced between supply and demand. To meet the requirements for accreditation student to faculty ratios, the college has downsized from 150 to 142 students admitted each year.
- 7. Briefly describe indicators of potential student interest/demand for the new initiative, including sources used for student market information/data.
 - Improved integration of content related to medicinal chemistry, pharmacology and therapeutics will provide students with less duplication of content and improve application of material to the patient care setting over the 2nd and 3rd professional years of the program.
- 8. To what extent will this initiative draw new students to FSU or KCAD? To what extent will it draw students from existing programs?
 - Improvements in the program with greater use of integrated content and active learning modernize the curriculum as compared to curricular construction at other institutions in the State of Michigan.
- 9. Approximately how many students are expected to enroll? Include rationale for estimates.
 - The Doctor of Pharmacy program traditional fills its seats based on the application pool. The proposal changes should have no adverse effect on enrollment. Course integration and naming/numbering is also intended to provide the application with a clearer understanding of the overall course content and its flow throughout the curriculum.
- 10. At which FSU campuses/regional centers or other sites will the initiative be offered?
 Big Rapids and Grand Rapids
- 11. Will Internet or other distance learning technology be used for course/program delivery? Describe. The program will remain an "in-seat" program, but may utilize some distance technologies to accommodate delivery of course content from faculty located around the State of Michigan.

Complete questions 12, 13, 14 in consultation with department administrator and/or dean.

- 12. Provide a rough estimate of the resources needed to implement the initiative. Please attach a three year budget to include faculty salaries plus benefits, library materials estimate, equipment and classroom materials estimate, and renovation estimate. APPE adjustments in ratios?
 - Student-to-faculty ratios for Doctor of Pharmacy programs are dictated by accreditation standards. The recently released 2016 standards outlined these ratios with a requirement of all program to move to 10:1 student faculty ratio overall, as well as a 2:1 student to preceptor ratio on the advanced pharmacy practice experiences in the P-4 year. This is a change from the current ratio of 3:1. Separate from this proposal, it was necessary for the College of Pharmacy to work with the university to establish a plan to meet these changes as part of our 2016 accreditation visit. This

included addition of faculty, reduction in the number of students enrolled in the program each year and tuition remodeling. This operational plan has been approved by the Board of Trustees and is undergoing implementation. Monitoring is in place with our accrediting organization who will be visiting Ferris in 2018 to follow up on a number of recommendations.

13. Project the resources that could come from reallocation within the department or college and the new resources that would be required.

This proposal was written with the assumption that the College of Pharmacy would need to implement the revised curriculum with resources identified in #12 above. It is critical that the college maintain the faculty to student ratios required by accreditation. The college has appointed a team to begin the process of implementation when the proposal is approved.

- 14. Are there new space needs? If so, how much? How would the space be used? Has existing space been identified? If so, where? Is renovation/remodeling necessary?
 - Separate from this proposal, the college has been in the process of implementing physical plant changes on the Big Rapids campus, which should meet the demands of this proposal. Existing facilities at Grand Rapids will meet the demands of this proposal.
- 15. Is there professional accreditation for the program? Yes. Is it required or voluntary? Required. Will accreditation be sought, and when? What will be the one- time and ongoing costs of accreditation? The Doctor of Pharmacy is currently accredited through 2018. A focused visit is planned to 2018 to follow up on recommendations from the 2016 visit and to determine the status of this curriculum implementation.
- 16. Has there been preliminary discussion with other departments/colleges that will be involved in course/program delivery? If yes, what was the feedback?

A representative of the College of Arts and Sciences has been included on the rebuild team. The curricular revision has also been reviewed by the College of Business as part of the PharmD/MBA program.

Department Faculty's signature:	Date
Note: Faculty signatories are tenure-track faculty www. who are collaborating with an administrator on the	• •
Comments: Click here to enter text.	
Department Administrator's signature:	Date
Note: If this is an interdepartmental initiative, inclu	ude additional Department Administrator signatures
Comments: Click here to enter text.	
Dean's signature:	Date

- For cross-college initiatives, include additional signature(s) of Dean(s)
- For existing programs customized for off-campus delivery to a cohort group, include College

and EIO Deans' signatures

Comments: Click here to enter text.	
Provost's Signature:	Date
$\hfill \square$ Approved - Approval indicates permission to develop the full proper approval.	osal. It does not assure final
Comments and/or suggestions: Click here to enter text.	
☐ Not approved - Explanation: Click here to enter text.	
c. Initiator(s) Department Administrator(s) Deans' Council University Curriculum Council Academic Senate VPEIO Provost FSU Intranet	

Current Doctor of Pharmacy Check Sheet

Doctor of Pharmacy (Pharm.D.) CURRENT - 138 Credits

Student Name:	Student CWID:	

ADMISSION REQUIREMENTS

Admission to the Doctor of Pharmacy program is a selective process that considers a variety of factors critical to success as a student and pharmacist. As admission to the program is competitive, completion of pre-pharmacy requirements does not guarantee admission to the College of Pharmacy. Application to the Doctor of Pharmacy program is required to be done through the Pharmacy College Application Service (PharmCAS). Admission criteria include markers of the student's ability to meet the rigors of the professional curriculum as well as the evolving, patient-centered practice of pharmacy:

- Academic achievement in required pre-pharmacy courses. Grades below a C (2.0) are not accepted for any pre-pharmacy course.
- Pharmacy College Admission Test (PCAT).
- Results of an in-person interview, including verbal and written components.
- College of Pharmacy Technical Standards for Admission.
- Course load (e.g. average number of hours/semester, course repeats, withdrawals).
- Letters of recommendation (not more than three) using the PharmCAS electronic forms.
- Results of a criminal background check that demonstrates the applicant does not have convictions identified in Michigan Public Acts 27, 28, and 29; or those which preclude a significant number of College of Pharmacy experiential assignments (See Section: Criminal Background Check below).
- Applicants must have a cumulative grade point average of no less than 2.5 for required pre-pharmacy courses.

Pre-Pharmacy Course Requirements:

To a minimo y do undo and unatimo mo.	
General Chemistry (with labs)	8 - 10
Organic Chemistry (with labs)	8 - 10
Biochemistry	3 - 4
General Biology	8
Anatomy and Physiology	7
Microbiology (with lab)	3 - 4
Genetics	3
Physics	4
Calculus for the Life Sciences or Calculus	3 - 4
Statistics	3
English Composition	6
Interpersonal Communication or Principles of Public Speaking	3
Cultural Enrichment (e.g., Humanities) - One course must be at the 200+ level	9
Introduction to Psychology or Introductory Sociology	3
Principles of Economics	3

Doctor of Pharmacy (Pharm.D.) CURRENT - 138 Credits

Required		Course Title (Prerequisites shown in parenthesis)				
		REMENTS – XX Credits Required (these courses ARE used in the core GPA requirement)				
ENGP	321	Advance Composition for Professional Programs (Can also be ENGP 421)	3			
PHAR	311	Medical Biochemistry	3			
PHAR	312	Molecular Biochemistry and Biotechnology	3			
PHAR	315	Pathophysiologic Basis for Therapeutics 1	3			
PHAR	316	Pathophysiologic Basis for Therapeutics 2	3			
PHAR	318	Drug Delivery 1	3			
PHAR	319	Drug Delivery 2	4			
PHAR	328	Pharmaceutical Calculations	1			
PHAR	334	Pharmacy and Health Care in the United States	3			
PHAR	335	Clinical Communications	2			
PHAR	340	Nonprescription Drugs and Self-Care	3			
PHAR	385	Practice Skills Lab 1				
			1			
PHAR	386	Practice Skills Lab 2	1			
PHAR	393	Community Introductory Pharmacy Practice Experience	2			
PHAR	411	Drug Action 1 (PHAR 311, 312, 315, 316)	4			
PHAR	412	Drug Action 2 (PHAR 311, 312, 315, 316)	4			
PHAR	413	Drug Action 3 (PHAR 411, 412)	4			
PHAR	414	Drug Action 4 (PHAR 411, 412)	4			
PHAR	421	Infectious Disease 1 (PHAR 315, 316)	3			
PHAR	422	Infectious Disease 2 (PHAR 421)	3			
PHAR	425	Pharmacy Practice Management 1 (PHAR 334)	3			
PHAR	428	Pharmacokinetics	3			
PHAR	485	Practice Skills Lab 3 (Co-req: PHAR 411, 412, 428)	1			
PHAR	486	Practice Skills Lab 4 (PHAR 485)	1			
PHAR	491	Longitudinal Patient-Centered Introductory Pharmacy Practice Experience 1 (taken as 0.5 Cr X 2) (PHAR 393)	1			
PHAR	493	Institutional Introductory Pharmacy Practice Experience (PHAR 491)	2			
PHAR	511	Pharmacotherapeutics 1 (PHAR 493)	4			
PHAR	512	Pharmacotherapeutics 2 (PHAR 493)	3			
PHAR	513	Pharmacotherapeutics 3 (PHAR 511, 512)	4			
PHAR	514	Pharmacotherapeutics 4 (PHAR 511, 512)	3			
PHAR	525	Pharmacy Practice Management 2 (PHAR 425)	3			
PHAR	530	Pharmacy Law (PHAR 425)	2			
PHAR	535	Sociopharmacy and Professional Ethics	3			
PHAR	540	Drug Information and Clinical Literature Evaluation (Co-req PHAR 511)	3			
PHAR	585	Practice Skills Lab 5 (Co-req PHAR 511, 512)	1			
PHAR	589	Integrated Case Studies (Co-req PHAR 513, 514)	2			
PHAR	591	Longitudinal Patient-Centered Introductory Pharmacy Practice Experience 2 (taken as 0.5 Cr X 2)	1			
PHAR		Clinical Seminar (taken as 0.5 Cr X 2)	1			
	680					
PHAR	600	Internal Medicine Advanced Pharmacy Practice Experience (PHAR 514)	6			
PHAR	602	Ambulatory Care Advanced Pharmacy Practice Experience (PHAR 514)	6			
PHAR	610	Institutional Advanced Pharmacy Practice Experience (PHAR 514)	6			
PHAR	611	Community Advanced Pharmacy Practice Experience (PHAR 514)	6			
		Required Electives (Count toward GPA)				
PHAR		Pharmacy Didactic Elective (See attached) 400 Level	2			
PHAR	4	Pharmacy Didactic Elective (See attached) 500 Level	2			
PHAR		Pharmacy APPE Elective (See attached) 600 Level Advanced Pharmacy Practice Experience	6			
PHAR		Pharmacy APPE Elective (See attached) 600 Level Advanced Pharmacy Practice Experience	6			
ADDITIO	NIAT 1	DECLUDEMENTS VV Co. E. D. v. iv. 1 (1)				
ADDITIO	NAL	REQUIREMENTS – XX Credits Required (these courses ARE NOT used to calculate the major GPA requirement)	1			
		A student must have a 2.00 GPA at the end of the 1st, 2nd and 3rd professional years to continue in the program				
		(see student handbook)				
		A student may be dismissed if: 1) They fail 50% or more credits in any semester; 2) Failure in greater than 12				
		credits in P1, P2 or P3 year; 3) Failure of any professional pharmacy course twice; 4) Failure of any two APPEs;				
		OD 5) 52 51 4 4 50 4 4 50 4 4 4 5 4 4 5 4 4 5 4 4 5 5 5 6 5 6 5 6	l			
		OR 5) Failure to complete the first three academic professional years in 4 academic years. Co-curricular requirements can be found in the student handbook				

Doctor of Pharmacy (Pharm.D.) CURRENT - 138 Credits

Electives: To Fulfill Pharmacy Didactic Electives (One 400 Level and One 500 Level)

- PHAR 450: Introduction to Public Health
- PHAR 451: Institutional Pharmacy
- PHAR 453: Topics in Nutritional Biochemistry
- PHAR 455: Current Controversies in Health Care
- PHAR 457: Introduction to Pharmacy Law & Ethics
- PHAR 461: Data Instrumentation and Analysis
- PHAR 462: Pharmaceutical Science Seminar
- PHAR 463: Botanical Supplements and Alternative Therapies
- PHAR 464: Natural Product Toxins
- PHAR 465: Biosynthesis of Natural Products
- PHAR 466: Research Elective in Medicinal Chemistry
- PHAR 468: Selected Topics in Medicinal Chemistry
- PHAR 469: Carcinogenesis
- PHAR 470: Pharmacy and Geriatric Health
- PHAR 474: Pharmacoepidemiology
- PHAR 475: Advanced Compounding
- PHAR 476: Toxicology
- PHAR 551: Managed Care Pharmacy Practice
- PHAR 552: Advanced Topics in Infectious Diseases
- PHAR 553: Palliative Care
- PHAR 554: Complementary and Alternative Medicine for the Clinical
- PHAR 556: Special Topics in Community Pharmacy Practice
- PHAR 558: Medical Research: Methods and Design
- PHAR 559: Interdisciplinary Community Practicum
- PHAR 560: Advance Cardiac Life Support
- PHAR 562: Elder Care Initiative
- PHAR 563: Special Populations: Pediatrics and Geriatrics
- PHAR 564: Integrated Team Based Health Care

Electives: To Fulfill Advance Pharmacy Practice Experiences (Two needed)

- PHAR 605: Academic APPE**
- PHAR 606: Drug Information APPE**
- PHAR 609: Prof Organization Manage APPE**
- PHAR 613: Community Management APPE**
- PHAR 617: Hospital Pharmacy Administration APPE
- PHAR 618: Managed Care APPE
- PHAR 625: Special Areas Comm Pharm APPE**
- PHAR 626: Veterinary Medicine APPE
- PHAR 628: Nuclear Medicine APPE
- PHAR 650: Special Topics Inpatient Medicine APPE
- PHAR 655: Special Topics Ambulatory Care APPE
- PHAR 661: Corporate Pharmacy MBA APPE
- PHAR 662: Pharmaceutical Industry MBA APPE
- PHAR 663: Health Systems Pharmacy MBA APPE
- PHAR 666: International Pharmacy APPE
- PHAR 670: Research APPE**

Doctor of Pharmacy (Pharm.D.) CURRENT - 138 Credits

DEGREE OUTCOMES

1.0.0 DOMAIN 1 - FOUNDATIONAL KNOWLEDGE

- 1.1.0 Learner (**Learner**) Apply knowledge from the foundational sciences (i.e., pharmaceutical, social/behavioral/administrative, and clinical sciences) to evaluate the scientific literature, explain drug action, solve therapeutic problems, and advance population health and patient-centered care.
 - 1.1.1 Apply the basic principles, mechanisms, and metabolic sequellae of human disease.
 - 1.1.2 Apply the chemical basis of drug action, with an emphasis on the application of physico-chemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision-making.
 - 1.1.3 Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decision-making.
 - 1.1.4 Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.
 - 1.1.5 Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.
 - 1.1.6 Describe the physico-chemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.
 - 1.1.7 Prepare sterile and non-sterile prescriptions that are pharmaceutically accurate regarding drug product and dose, free from contamination, and appropriately formulated for patient use.
 - 1.1.8 Apply the federal and appropriate state-specific statutes that regulate the practice of pharmacy, along with relevant civil and contract law.
 - 1.1.9 Apply the structure, function and properties of microorganisms (i.e. bacteria, viruses, parasites and fungi) responsible for human disease, and design rational approaches to their containment or eradication.
 - 1.1.10 Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.
 - 1.1.11 Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.
 - 1.1.12 Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.

2.0.0 DOMAIN 2 - ESSENTIALS FOR PRACTICE AND CARE

- 2.1.0 Patient-centered care (**Caregiver**) Provide patient-centered care as the medication expert (e.g. collect and interpret evidence, prioritize, formulate assessments and recommendations, implement, monitor and adjust plans, and document activities).
 - 2.1.1 Collect subjective and objective evidence (including socioeconomic, cultural) related to patient, medications, allergies/adverse reactions, and disease.
 - 2.1.2 Interpret relevant medical evidence and patient data.
 - 2.1.3 Prioritize patient needs.
 - 2.1.4 Formulate evidence-based care plans, and care transitions with consideration of the unique needs of the patient while emphasizing the need for patients to take responsibility for the control of their health.
 - 2.1.5 Implement patient-centered care plans.
 - 2.1.6 Monitor the patient and adjust care plan as needed.
 - 2.1.7 Document patient care related activities.
 - 2.1.8 Appropriately triage patients to the proper health care provider and assist them in navigating the healthcare system.
- 2.2.0 Medication use systems management (**Manager**) Manage patient healthcare needs using human, financial, technological, and physical resources to optimize the safety and efficacy of medication use systems.
 - 2.2.1 Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).
 - 2.2.2 Utilize informatics to optimize the medication use system.
 - 2.2.3 Utilize human, financial, and physical resources to optimize the medication use system.
 - 2.2.4 Apply standards, guidelines, best practices, and established processes related to safe and effective medication use in different pharmacy practice settings.
 - 2.2.5 Utilize continuous quality improvement techniques in the medication use process.
- 2.3.0 Health and wellness (**Promoter**) Design prevention, intervention, and educational strategies for individuals and communities to manage chronic disease and improve health and wellness.
 - 2.3.1 Design systematic preventative care, using risk assessment, risk reduction, screening, education, and immunizations to improve health and wellness.
 - 2.3.2 Evaluate personal, social, economic, and environmental conditions to maximize health and wellness.
- 2.4.0 Population-based care (**Provider**) Describe how population-based care influences patient-centered care and influences the development of practice guidelines and evidence-based best practices.
 - 2.4.1 Assess the healthcare status and needs of a targeted patient population.

Doctor of Pharmacy (Pharm.D.) CURRENT - 138 Credits

2.4.2 Develop and provide an evidence-based approach to population health management that considers the cost, care, access, and satisfaction needs of a targeted patient population.

3.0.0 DOMAIN 3 - APPROACH TO PRACTICE AND CARE

- 3.1.0 Problem Solving (**Problem Solver**) Identify problems; explore and prioritize potential strategies; and design, implement, and evaluate a viable solution.
 - 3.1.1 Identify and define the relevant problems.
 - 3.1.2 Define goals and alternative goals.
 - 3.1.3 Explore multiple solutions by organizing, prioritizing, and defending each possible solution.
 - 3.1.4 Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.
 - 3.1.5 Implement the most viable solution, including monitoring parameters, to measure intended and unintended consequences.
 - 3.1.6 Reflect on the solution implemented and its effects to improve future performance.
- 3.2.0 Educator (**Educator**) Educate all audiences by determining the most effective and enduring ways to impart information and assess understanding.
 - 3.2.1 Conduct a learning needs assessment of constituents who would benefit from pharmacist-delivered education (e.g., patients/caregivers, technicians and interns, pharmacy students, fellow pharmacists, other healthcare providers, legislators).
 - 3.2.2 Develop or select the most effective techniques/strategies to achieve learning objectives.
 - 3.2.3 Demonstrate the ability to coordinate educational efforts with other healthcare providers, when appropriate, to ensure a consistent, comprehensive, and team-based encounter.
 - 3.2.4 Ensure instructional content contains the most current information relevant for the intended audience.
 - 3.2.5 Adapt instruction and deliver to the intended audience.
 - 3.2.6 Deliver and obtain feedback to assess learning and promote goal setting and goal attainment for the intended audience.
- 3.3.0 Inter-professional collaboration (**Collaborator**) Actively participate and engage as a healthcare team member by demonstrating mutual respect, understanding, and values to meet patient care needs.
 - 3.3.1 Establish a climate of shared values and mutual respect among healthcare team members to meet patient care needs.
 - 3.3.2 Define clear roles and responsibilities for healthcare team members to optimize outcomes for specific patient care encounters.
 - 3.3.3 Communicate in a manner that values team-based decision making and shows respect for contributions from other areas of expertise.
 - 3.3.4 Perform effectively as a member of an inter-professional functioning team (one that includes the patient, family, and community).
- 3.4.0 Cultural sensitivity (**Includer**) Recognize social determinants of health to diminish disparities and inequities in access to quality care.
 - 3.4.1 Recognize the collective identity and norms of different cultures without overgeneralizing (i.e., recognize and avoid biases and stereotyping).
 - 3.4.2 Demonstrate an attitude that is respectful of different cultures.
 - 3.4.3 Assess a patient's health literacy and modify communication strategies to meet the patient's needs.
 - 3.4.4 Consider cultural issues in all aspects of practice to reduce health disparities.
- 3.5.0 Communication (**Communicator**) Effectively communicate verbally and nonverbally when interacting with an individual, group or organization.
 - 3.5.1 Interview patients using an organized structure, specific questioning techniques (e.g., motivational interviewing), and medical terminology adapted for the audience.
 - 3.5.2 Actively listen and ask appropriate open and closed-ended questions to gather information.
 - 3.5.3 Use available technology and other media to effectively communicate and document.
 - 3.5.4 Use effective interpersonal skills to establish rapport and build trusting relationships.
 - 3.5.5 Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.
 - 3.5.6 Demonstrate empathy when interacting with others.

4.0.0 DOMAIN 4 - PERSONAL AND PROFESSIONAL DEVELOPMENT

- 4.1.0 Self-awareness (**Self-aware**) Examine and reflect on personal knowledge, skills, abilities, beliefs, biases, motivation, and emotions that could enhance or limit personal and professional growth.
 - 4.1.1 Self-assess understanding and abilities and engage in help seeking behaviors and adapt learning strategies accordingly.
 - 4.1.2 Identify, create, implement, evaluate and modify plans for personal and professional development for the purpose of individual growth.
 - 4.1.3 Demonstrate engagement, confidence, self-direction, ownership, flexibility, and accountability in all learning and professional situations.

Doctor of Pharmacy (Pharm.D.) CURRENT - 138 Credits

- 4.1.4 Develop engagement in activities that promote professional citizenship.
- 4.1.5 Identify constructive strategies to detect, and manage personal and professional stress that impact pharmacy practice and personal health.
- 4.2.0 Leadership (Leader) Demonstrate responsibility for creating and achieving shared goals, regardless of position.
 - 4.2.1 Demonstrate the ability to lead a project, organization, team or event.
 - 4.2.2 Exhibit the ability to effectively communicate expectations, affect change, build consensus, appropriately utilize personnel and resources, and develop a shared set of goals.
 - 4.2.3 Effectively function in a team or group to achieve or enhance goals and objectives.
- 4.3.0 Innovation and Entrepreneurship (**Innovator**) Engage in innovative activities by using creative thinking to envision better ways of accomplishing professional goals.
 - 4.3.1 Demonstrate creative design, decision making, and solutions when confronted with novel problems, challenges or unmet needs.
 - 4.3.2 Develop a plan for a pharmacy service which includes organization, risk assessment and mitigation and resource identification and feasibility.
- 4.4.0 Professionalism (**Professional**) Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers, and society.
 - 4.4.1 Demonstrate compassion, empathy, altruism, integrity, trustworthiness, flexibility, and respect.
 - 4.4.2 Deliver patient-centered care in a manner that is legal, ethical, and compassionate.

References:

Citation (pending): Medina MS, PlazaCM, Stowe CD, et.al. Center for the Advancement of Pharmacy Education (CAPE) Educational Outcomes. Am J Pharm Educ. 2013; in press.

Accreditation Council for Pharmacy Education. Accreditation Standards and Key Elements for the Professional Program in Pharmacy Leading to the Doctor of Pharmacy Degree (Draft Standards 2016). Released 2/3/2014.

Doctor of Pharmacy (Pharm.D.) CURRENT - 138 Credits

Professional Year 1 – Fall Semester	Cr	Grade	Professional Year 3 – Fall Semester	Cr	Grade
PHAR 311: Medical Biochemistry			PHAR 540: Drug Info/Clinical Literature Evaluation	3	
PHAR 334: Pharmacy and Health Care in the US	3		PHAR 511: Pharmacotherapeutics 1	4	
PHAR 315: Pathophysiologic Basis for Therapeutics 1	3		PHAR 512: Pharmacotherapeutics 2	3	
PHAR 318: Drug Delivery 1	3		PHAR 585: Practice Skills Lab 5	1	
PHAR 335: Clinical Communications	2		PHAR 535: Sociopharmacy and Professional Ethics	3	
PHAR 385: Practice Skills Lab 1	1		PHAR 591: Longitudinal Patient-Centered IPPE 2	0.5	
PHAR 328: Pharmaceutical Calculations	1				
Semester GPA	16		Semester GPA	14.5	
Professional Year 1 – Spring Semester	Cr	Grade	Professional Year 3 – Spring Semester	Cr	Grade
PHAR 312: Molecular Biochemistry & Biotechnology	3		PHAR 525: Pharmacy Practice Management 2	3	
PHAR 340: Nonprescription Medicine and Self-Care	3		PHAR 530: Pharmacy Law	2	
PHAR 316: Pathophysiologic Basis for Therapeutics 2	3		PHAR 513: Pharmacotherapeutics 3	4	
PHAR 319: Drug Delivery 2	4		PHAR 514: Pharmacotherapeutics 4	3	
PHAR 386: Practice Skills Lab 2	1		PHAR 589: Integrated Case Studies	2	
English 321/421	3		PHAR 591: Longitudinal Patient-Centered IPPE 2	0.5	
			Semester GPA	14.5	-
Semester GPA	17		Electives: Must be completed prior to 4th year.	Cr	Grade
Professional Year 1 – Summer Semester	Cr	Grade	Pharmacy Elective 1 (Must be 400-Level)	2	
PHAR 393: Community IPPE	2		Pharmacy Elective 2 (Must be 500-Level)	2	
			Professional Year 4	Cr	Grade
Professional Year 2 - Fall Semester	Cr	Grade	PHAR 680: Clinical Seminar	0.5	
PHAR 428: Pharmacokinetics	3		PHAR 680: Clinical Seminar	0.5	
PHAR 421: Infectious Disease 1	3		PHAR 600: Internal Medicine APPE	6	
PHAR 411: Drug Action 1	4		PHAR 602: Ambulatory Care APPE	6	
PHAR 412: Drug Action 2	4		PHAR 610: Institutional APPE	6	
PHAR 485: Practice Skills Lab 3	1		PHAR 611: Community APPE	6	
PHAR 491: Longitudinal Patient-Centered IPPE 1	0.5		APPE Elective (600 Level APPE) – PHAR	6	
Semester GPA	15.5		APPE Elective (600 Level APPE) – PHAR	6	
Professional Year 2 - Spring Semester	Cr	Grade			
PHAR 413: Drug Action 3	4				
PHAR 414: Drug Action 4	4				
PHAR 486: Practice Skills Lab 4	1		(37 Hours Total) 1st Semester GPA		
PHAR 422: Infectious Disease 2	3		Cumulative GPA		
PHAR 425: Pharm Practice Management 1	3		2 nd Semester GPA		
PHAR 491: Longitudinal Patient-Centered IPPE 1	0.5		Cumulative GPA		
Semester GPA	15.5				
Professional Year 2 – Summer Semester	Cr	Grade			

Proposed Doctor of Pharmacy Check Sheet

Doctor of Pharmacy (Pharm.D.) - 137 Credits

Student Name:	Student CWID:	

ADMISSION REQUIREMENTS

Admission to the Doctor of Pharmacy program is a selective process that considers a variety of factors critical to success as a student and pharmacist. As admission to the program is competitive, completion of pre-pharmacy requirements does not guarantee admission to the College of Pharmacy. Application to the Doctor of Pharmacy program is required to be done through the Pharmacy College Application Service (PharmCAS). Admission criteria include markers of the student's ability to meet the rigors of the professional curriculum as well as the evolving, patient-centered practice of pharmacy:

- Academic achievement in required pre-pharmacy courses. Grades below a C (2.0) are not accepted for any pre-pharmacy course.
- Pharmacy College Admission Test (PCAT.
- Results of an in-person interview, including verbal and written components.
- College of Pharmacy Technical Standards for Admission.
- Course load (e.g. average number of hours/semester, course repeats, withdrawals).
- Letters of recommendation (not more than three) using the PharmCAS electronic forms.
- Results of a criminal background check that demonstrates the applicant does not have convictions identified in Michigan Public Acts 27, 28, and 29; or those which preclude a significant number of College of Pharmacy experiential assignments (See Section: Criminal Background Check below).
- Applicants must have a cumulative grade point average of no less than 2.5 for required pre-pharmacy courses.

Pre-Pharmacy Requirements:

General Chemistry	8 - 10
Organic Chemistry	8 - 10
Biochemistry	3 - 4
General Biology	8
Anatomy and Physiology c	7
Microbiology with lab	3 - 4
Genetics	3
Physics	4
Calculus for the Life Sciences or Calculus	3 - 4
Statistics	3
English Composition	9*
Interpersonal Communication or Principles of Public Speaking	3
Cultural Enrichment (e.g., Humanities) - One course must be at the 200+ level	9
Introduction to Psychology or Introductory Sociology	3
Principles of Economics	3

^{*}Effective Fall 2018. Students who have already completed this requirement entering in Fall 2017 will have fulfilled this requirement of the Doctor of Pharmacy degree program.

Doctor of Pharmacy (Pharm.D.) - 137 Credits

Require	ed	Course Title (Prerequisites shown in parenthesis)	Crs	Gr
MAJOR RI	EQUIR	EMENTS – XX Credits Required (these courses ARE used in the core GPA requirement)		
PHAR	515	Pharmacy & Health Care System 1	3	
PHAR	516	Pharmacy & Health Care System 2	3	
PHAR	519	Foundations of Pharmacotherapy 1	3	
PHAR	520	Foundations of Pharmacotherapy 2	3	
PHAR	523	Dosage Forms and Biopharmaceutics	4	
PHAR	524	Dosage Forms and Pharmacokinetics	4	
PHAR	531	Over-the-Counter Pharmacotherapy	3	
PHAR	587	Pharmacy Skills and Patient Care Lab 1	3	
PHAR	588	Pharmacy Skills and Patient Care Lab 2	2	
PHAR	593	Medication Distribution Community IPPE	2	
PHAR	619	Integrated Pharmacotherapy 1 (PHAR 520)	4	
PHAR	620	Integrated Pharmacotherapy 2 (PHAR 520)	4	
PHAR	621	Integrated Pharmacotherapy 3 (PHAR 520)	4	
PHAR	622	Integrated Pharmacotherapy 4 (PHAR 621)	4	
PHAR	623	Integrated Pharmacotherapy 5 (PHAR 621)	4	
PHAR	624	Integrated Pharmacotherapy 6 (PHAR 621)	4	
PHAR	630	Pharmacy Practice Management 1 (PHAR 516)	3	
PHAR	640	Drug Literature, Informatics and Biostatistics (PHAR 622 Co-Requisite)	3	
PHAR	691	Direct Patient Care IPPE 1 (Required X 2) (PHAR 593)	1	
PHAR	693	Medication Distribution Health System IPPE (PHAR 624)	2	
PHAR	719	Integrated Pharmacotherapy 7 (PHAR 624)	4	
PHAR	720	Integrated Pharmacotherapy 8 (PHAR 624)	4	
PHAR	721	Integrated Pharmacotherapy 9 (PHAR 624)	4	
PHAR	722	Integrated Pharmacotherapy 10 (PHAR 721)	4	
PHAR	723	Integrated Pharmacotherapy 11 (PHAR 721)	4	
PHAR	724	Integrated Pharmacotherapy Capstone (PHAR 721)	5	
PHAR	730	Pharmacy Practice Management 2 (PHAR 630)	3	
PHAR	735	Pharmacy Law (PHAR 630)	2	
PHAR	791	Direct Patient Care IPPE 2 (Required X 2) (PHAR 624)	1	
PHAR	800	Internal Medicine APPE (PHAR 724)	6	
PHAR	802	Ambulatory Care APPE (PHAR 724)	6	
PHAR	810	Institutional APPE (PHAR 724)	6	
PHAR	811	Community APPE (PHAR 724)	6	
PHAR	820	Doctor of Pharmacy Seminar (Required X 2)	1	
		Required Electives		
PHAR		Pharmacy Didactic Elective (See attached)	2	
PHAR		Pharmacy Didactic Elective (See attached)	2	
PHAR		Pharmacy Didactic Elective (See attached)	2	
PHAR		Pharmacy APPE Elective (See attached) 800 Level Advanced Pharmacy Practice Experience	6	
PHAR	1	Pharmacy APPE Elective (See attached) 800 Level Advanced Pharmacy Practice Experience	6	
	A	Total	137	
		EQUIREMENTS		

ADDITIO	NAL R	EQUIREMENTS	
	/	A student must have a 2.00 GPA at the end of the 1st, 2nd and 3rd professional years to continue in the program	
		(see student handbook)	
		Additional dismissal rules can be found in the student handbook.	
		Co-curricular requirements can be found in the student handbook	

Doctor of Pharmacy (Pharm.D.) - 137 Credits

ELECTIVE:

ELECTIV		Didactic Electives
PHAR	651	Introduction to Public Health
PHAR	652	Institutional Pharmacy
PHAR	653	Topics in Nutrition Biochemistry
PHAR	654	Current Controversies Health Care
PHAR	656	Intro to Pharmacy Law & Ethics
PHAR	657	Data Instrument and Analysis
PHAR	658	Pharmaceutical Science Seminar
PHAR	659	Botanical Supple - Alt Therapy
PHAR	660	Natural Product Toxins
PHAR	664	Medicinal Chemistry Research
PHAR	665	Selected Topics in Medicinal Chemistry
PHAR	667	Carcinogenesis
PHAR	668	Pharmacy and Geriatric Health
PHAR	669	Toxicology
PHAR	671	Pharmacoepidemiology
PHAR	672	Advanced Compounding
PHAR	750	Managed Care Pharmacy Practice
PHAR	751	Advanced Topics in Infect Diseases
PHAR	752	Palliative Care
PHAR	753	Complementary & Alternative Medicine for Clinical Pharmacy
PHAR	754	Special Topics in Community Pharmacy Practice
PHAR	755	Medical Research: Methods and Design
PHAR	756	Interdisciplinary Community Practicum
PHAR	757	Advance Card Life Support
PHAR	758	Elder Care Initiative
PHAR	759	Special Populations: Pediatrics and Geriatrics
PHAR	760	Integrated Team-Based Health Care
		APPE Electives
PHAR	850	Academic APPE
PHAR	851	Drug Information APPE
PHAR	852	Prof Organization Manage APPE
PHAR	853	Community Management APPE
PHAR	854	Hospital Pharmacy Admin APPE
PHAR	855	Managed Care APPE
PHAR	856	Specialty Community Practice APPE
PHAR	857	Veterinary Medicine APPE
PHAR	858	Nuclear Pharmacy APPE
PHAR	859	Special Topics in Inpatient Medicine APPE
PHAR	860	Special Topics in Ambulatory Care APPE
PHAR	861	Corporate Pharmacy MBA APPE
PHAR	862	Pharmaceutical Industry MBA APPE
PHAR	863	Health Systems Pharmacy MBA APPE
PHAR	864	International Pharmacy APPE
PHAR	865	Research APPE

Doctor of Pharmacy (Pharm.D.) - 137 Credits

DEGREE OUTCOMES

1.0.0 DOMAIN 1 - FOUNDATIONAL KNOWLEDGE

- 1.1.0 Learner (**Learner**) Apply knowledge from the foundational sciences (i.e., pharmaceutical, social/behavioral/administrative, and clinical sciences) to evaluate the scientific literature, explain drug action, solve therapeutic problems, and advance population health and patient-centered care.
 - 1.1.1 Apply the basic principles, mechanisms, and metabolic sequelae of human disease.
 - 1.1.2 Apply the chemical basis of drug action, with an emphasis on the application of physio-chemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision-making.
 - 1.1.3 Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decision-making.
 - 1.1.4 Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.
 - 1.1.5 Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.
 - 1.1.6 Describe the physio-chemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.
 - 1.1.7 Prepare sterile and non-sterile prescriptions that are pharmaceutically accurate regarding drug product and dose, free from contamination, and appropriately formulated for patient use.
 - 1.1.8 Apply the federal and appropriate state-specific statutes that regulate the practice of pharmacy, along with relevant civil and contract law.
 - 1.1.9 Apply the structure, function and properties of microorganisms (i.e. bacteria, viruses, parasites and fungi) responsible for human disease, and design rational approaches to their containment or eradication.
 - 1.1.10 Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.
 - 1.1.11 Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.
 - 1.1.12 Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.

2.0.0 DOMAIN 2 - ESSENTIALS FOR PRACTICE AND CARE

- 2.1.0 Patient-centered care (**Caregiver**) Provide patient-centered care as the medication expert (e.g. collect and interpret evidence, prioritize, formulate assessments and recommendations, implement, monitor and adjust plans, and document activities).
 - 2.1.1 Collect subjective and objective evidence (including socioeconomic, cultural) related to patient, medications, allergies/adverse reactions, and disease.
 - 2.1.2 Interpret relevant medical evidence and patient data.
 - 2.1.3 Prioritize patient needs.
 - 2.1.4 Formulate evidence-based care plans, and care transitions with consideration of the unique needs of the patient while emphasizing the need for patients to take responsibility for the control of their health.
 - 2.1.5 Implement patient-centered care plans.
 - 2.1.6 Monitor the patient and adjust care plan as needed.
 - 2.1.7 Document patient care related activities.
 - 2.1.8 Appropriately triage patients to the proper health care provider and assist them in navigating the healthcare system.
- 2.2.0 Medication use systems management (**Manager**) Manage patient healthcare needs using human, financial, technological, and physical resources to optimize the safety and efficacy of medication use systems.
 - 2.2.1 Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).
 - 2.2.2 Utilize informatics to optimize the medication use system.
 - 2.2.3 Utilize human, financial, and physical resources to optimize the medication use system.
 - 2.2.4 Apply standards, guidelines, best practices, and established processes related to safe and effective medication use in different pharmacy practice settings.
 - 2.2.5 Utilize continuous quality improvement techniques in the medication use process.
- 2.3.0 Health and wellness (**Promoter**) Design prevention, intervention, and educational strategies for individuals and communities to manage chronic disease and improve health and wellness.
 - 2.3.1 Design systematic preventative care, using risk assessment, risk reduction, screening, education, and immunizations to improve health and wellness.
 - 2.3.2 Evaluate personal, social, economic, and environmental conditions to maximize health and wellness.
- 2.4.0 Population-based care (**Provider**) Describe how population-based care influences patient-centered care and influences the development of practice guidelines and evidence-based best practices.
 - 2.4.1 Assess the healthcare status and needs of a targeted patient population.
 - 2.4.2 Develop and provide an evidence-based approach to population health management that considers the cost, care, access, and satisfaction needs of a targeted patient population.

Doctor of Pharmacy (Pharm.D.) - 137 Credits

3.0.0 DOMAIN 3 - APPROACH TO PRACTICE AND CARE

- 3.1.0 Problem Solving (**Problem Solver**) Identify problems; explore and prioritize potential strategies; and design, implement, and evaluate a viable solution.
 - 3.1.1 Identify and define the relevant problems.
 - 3.1.2 Define goals and alternative goals.
 - 3.1.3 Explore multiple solutions by organizing, prioritizing, and defending each possible solution.
 - 3.1.4 Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.
 - 3.1.5 Implement Recommend the most viable solution, including monitoring parameters, to measure intended and unintended consequences.
 - 3.1.6 Reflect on the solution implemented recommended and its effects to improve future performance.
- 3.2.0 Educator (**Educator**) Educate all audiences by determining the most effective and enduring ways to impart information and assess understanding.
 - 3.2.1 Conduct a learning needs assessment of constituents who would benefit from pharmacist-delivered education (e.g., patients/caregivers, technicians and interns, pharmacy students, fellow pharmacists, other healthcare providers, legislators).
 - 3.2.2 Develop or select the most effective techniques/strategies to achieve learning objectives.
 - 3.2.3 Demonstrate the ability to coordinate educational efforts with other healthcare providers, when appropriate, to ensure a consistent, comprehensive, and team-based encounter.
 - 3.2.4 Ensure instructional content contains the most current information relevant for the intended audience.
 - 3.2.5 Adapt instruction and deliver to the intended audience.
 - 3.2.6 Deliver and obtain feedback to assess learning and promote goal setting and goal attainment for the intended audience.
- 3.3.0 Inter-professional collaboration (**Collaborator**) Actively participate and engage as a healthcare team member by demonstrating mutual respect, understanding, and values to meet patient care needs.
 - 3.3.1 Establish a climate of shared values and mutual respect among healthcare team members to meet patient care needs.
 - 3.3.2 Define clear roles and responsibilities for healthcare team members to optimize outcomes for specific patient care encounters.
 - 3.3.3 Communicate in a manner that values team-based decision-making and shows respect for contributions from other areas of expertise.
 - 3.3.4 Perform effectively and ethically as a member of an inter-professional functioning team (one that includes the patient, family, and community).
- 3.4.0 Cultural sensitivity (**Includer**) Recognize social determinants of health to diminish disparities and inequities in access to quality care.
 - 3.4.1 Recognize the collective identity and norms of different cultures without overgeneralizing (i.e., recognize and avoid biases and stereotyping).
 - 3.4.2 Demonstrate an attitude that is respectful of different cultures.
 - 3.4.3 Assess a patient's health literacy and modify communication strategies to meet the patient's needs.
 - 3.4.4 Consider cultural issues in all aspects of practice to reduce health disparities.
- 3.5.0 Communication (**Communicator**) Effectively communicate verbally and nonverbally when interacting with an individual, group or organization.
 - 3.5.1 Interview patients using an organized structure, specific questioning techniques (e.g., motivational interviewing), and medical terminology adapted for the audience.
 - 3.5.2 Actively listen and ask appropriate open and closed-ended questions to gather information.
 - 3.5.3 Use available technology and other media to effectively communicate and document.
 - 3.5.4 Use effective interpersonal skills to establish rapport and build trusting relationships.
 - 3.5.5 Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.
 - 3.5.6 Demonstrate empathy when interacting with others.

4.0.0 DOMAIN 4 - PERSONAL AND PROFESSIONAL DEVELOPMENT

- 4.1.0 Self-awareness (**Self-aware**) Examine and reflect on personal knowledge, skills, abilities, beliefs, biases, motivation, and emotions that could enhance or limit personal and professional growth.
 - 4.1.1 Self-assess understanding and abilities and engage in help seeking behaviors and adapt learning strategies accordingly.
 - 4.1.2 Identify, create, implement, evaluate and modify plans for personal and professional development for the purpose of individual growth.
 - 4.1.3 Demonstrate engagement, confidence, self-direction, ownership, flexibility, and accountability in all learning and professional situations.
 - 4.1.4 Develop engagement in activities that promote professional citizenship.

Doctor of Pharmacy (Pharm.D.) - 137 Credits

- 4.1.5 Identify constructive strategies to detect, and manage personal and professional stress that impact pharmacy practice and personal health.
- 4.2.0 Leadership (**Leader**) Demonstrate responsibility for creating and achieving shared goals, regardless of position.
 - 4.2.1 Demonstrate the ability to lead a project, organization, team or event.
 - 4.2.2 Exhibit the ability to effectively communicate expectations, affect change, build consensus, appropriately utilize personnel and resources, and develop a shared set of goals.
 - 4.2.3 Effectively function in a team or group to achieve or enhance goals and objectives.
- 4.3.0 Innovation and Entrepreneurship (**Innovator**) Engage in innovative activities by using creative thinking to envision better ways of accomplishing professional goals.
 - 4.3.1 Demonstrate creative design, decision-making, and solutions when confronted with novel problems, challenges or unmet needs.
 - 4.3.2 Develop a plan for a pharmacy service, which includes organization, risk assessment and mitigation and resource identification and feasibility.
- 4.4.0 Professionalism (**Professional**) Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers, and society.
 - 4.4.1 Demonstrate compassion, empathy, altruism, integrity, trustworthiness, flexibility, and respect.
 - 4.4.2 Deliver patient-centered care in a manner that is legal, ethical, and compassionate.

References:

Citation (pending): Medina MS, Plaza CM, Stowe CD, et.al. Center for the Advancement of Pharmacy Education (CAPE) Educational Outcomes. Am J Pharm Educ. 2013; in press.

Accreditation Council for Pharmacy Education. Accreditation Standards and Key Elements for the Professional Program in Pharmacy Leading to the Doctor of Pharmacy Degree (Draft Standards 2016). Released 2/3/2014.

Doctor of Pharmacy (Pharm.D.) - 137 Credits

COURSE COMPLETION SCHEDULE

TOTAL HOURS

	FALL 1ST PROFESSIONAL YEAR			SPRING 1ST PROFESSIONAL YEAR	
PHAR 515	Pharmacy and Health Care Systems 1	3	PHAR 516	Pharmacy and Health Care Systems 2	3
PHAR 519	Foundations of Pharmacotherapy 1	3	PHAR 531	Over-the-Counter Pharmacotherapy	3
PHAR 523	Dosage Forms and Biopharmaceutics	4	PHAR 520	Foundations of Pharmacotherapy 2	3
PHAR 587	Pharmacy Skills and Patient Care Lab 1	3	PHAR 524	Dosage Forms and Pharmacokinetics	4
			PHAR 588	Pharmacy Skills and Patient Care Lab 2	2
	Total Semester Credit Hours	13.0		Total Semester Credit Hours	15.0
	SUMMER 1 ST PROFESSIONAL YEAR				
PHAR 593	Medication Distribution-Community IPPE (3 week)	2			
	FALL 2 ND PROFESSIONAL YEAR			SPRING 2 ND PROFESSIONAL YEAR	
PHAR 619	Integrated Pharmacotherapy 1	4	PHAR 622	Integrated Pharmacotherapy 4	4
PHAR 620	Integrated Pharmacotherapy 2	4	PHAR 623	Integrated Pharmacotherapy 5	4
PHAR 621	Integrated Pharmacotherapy 3	4	PHAR 624	Integrated Pharmacotherapy 6	4
PHAR 630	Pharm Practice Management 1	3	PHAR 640	Drug Literature, Informatics, and Biostatistics	3
PHAR 691	Direct Patient Care IPPE 1(Fall or Spring)	0.5	PHAR 691	Direct Patient Care IPPE 1(Fall or Spring)	0.5
FFIAR 091	Total Semester Credit Hours	15.5	FFIAR 091	Total Semester Credit Hours	15.5
	Total Semester Credit Hours	13.3		Total Semester Credit Flours	13.3
	SUMMER 2 ND PROFESSIONAL YEAR			•	
PHAR 693	Medication Distribution-Health System IPPE (3 week)	2			
	FALL 3 RD PROFESSIONAL YEAR			SPRING 3 RD PROFESSIONAL YEAR	
PHAR 719	Integrated Pharmacotherapy 7	4	PHAR 722	Integrated Pharmacotherapy 10	4
PHAR 720	Integrated Pharmacotherapy 8	4	PHAR 723	Integrated Pharmacotherapy 11	4
PHAR 721	Integrated Pharmacotherapy 9	4	PHAR 724	Integrated Pharmacotherapy Capstone	5
PHAR 730	Pharm Practice Management 2	3	PHAR 735	Pharmacy Law	2
PHAR 791	Direct Patient Care IPPE 2(Fall or Spring)	0.5	PHAR 791	Direct Patient Care IPPE 2(Fall or Spring)	0.5
	Total Semester Credit Hours	15.5		Total Semester Credit Hours	15.5
	Didactic Electives (Three 2-credit courses required)	6)		
	ATH DD OFFICE ON A LATE A D				
DILAR 000	4 TH PROFESSIONAL YEAR				
PHAR 800	Inpatient Medicine APPE	6			
PHAR 802	Ambulatory Medicine APPE	6			
PHAR 810	Institutional APPE	6	-		
PHAR 811	Community APPE	6			
PHAR 8XX	Elective	6			
PHAR 8XX	Elective	6			
PHAR 820	Doctor of Pharmacy Seminar (0.5 X 2)	1			
	Total Academic Year Credit Hours	37			

Curricular Ability-Based Outcomes and Entrustable Professional Activities Mapping by Course

104 105		515	516	519	520	523	524	531	587	588	593	619	620	621	622	623	624	630	640	691	693	719	720	721	722	723	724	730 735	791	800	802	810	811	820	Grand
14	ABO#																					IPT7													
Second Property	1.1.1								_													1													20
								1																										—	23
34	113						1 1																												17
33				-		1																+											+		13
34						٠.	2 .			1 1				_								+			_	_	_						+		19
1									-	1 1		-		1 .		-	1	1					1 1	-	1 3					+		+		+	17
34							0 0)		1 1								_		1	-	+		-									+		17
36		-	-	-			-	-				-					-							-					2	-		-			8
130		3	-	-			-	-	-	1 1		-								1				-					2	-		-			8
131			-	-			-		-			H												-						-		-			1 2
11			_					1	_					_	_		_	_	_	-						_	_								15
131 1							-			1 1							_											1				_			
13		1					-	1	_			1	L	1 :	1 :	1	1	1					1 1	-	1 1	1 1	L					_		1	
										1 1																									7
14												1	L	1 :	1 :	1	1	1					1 1	L.	1 1	L 1									16
15																					_									1					5
14.																				1	L						1							L	5
1	2.1.5																													_				L	2
188	2.1.6																														1	1			2
1	2.1.7									1 1										1	L														6
22	2.1.8																					\perp		$oxedsymbol{oxed}$							1	1			2
22	2.2.1	5		\perp	L		\perp			2 2	1	\perp		\perp			\perp		3	\perp	1	1							2	\perp	\perp	\perp	1 1		18
24	2.2.2									1 1	. 1										1	1						1					1 1	.	7
24	2.2.3									1									3									1	1				1 1		8
25	2.2.4									1	. 1								2	2	1	1							2				1 1		11
31	2.2.5										1								1		1	1											1 1		5
32	2.3.1		2																								1								3
A1 A2 3 A1 A1 </td <td>2.3.2</td> <td>2</td> <td>1</td> <td></td> <td>5</td>	2.3.2	2	1																																5
A2 1	2.4.1																																		1
11	2.4.2		1			1						ļ								1	1														4
12 1	3.1.1		_									1	1	1 .	1	1	1	1					1 1		1 1	1 1							1 1		15
33																																			14
14												_	_	_		_			_	1												_		_	14
1.5																						+						1	1			_			17
16												-		1 .		L	1	1		1		+	1 1	-	1 1				1			_			4
1																						+					_								1
22						1						.							1		-														- 4
23						1				1		.									-														3
24										1																					1	1			3
25			-	-			-	-	-			-					-			+				-										-	
26	3.2.4		-	-			-	-	-			-					-			_				-											
3.3							-										-			-	L														- /
33										1 1																	1				1	1	1 1	—	
34		1																											_						2
4.1 1						-	-	1	1						-			-		1 1	4	1-		1		1	-			1					5
A2			ļ			1	1	1									1		1	1		-			1		1			1	_	_	1		3
4.3 1	3.4.1		1		-	-					-	<u> </u>			-							1-		1		1	1								5
4.4 3 1					-	-					-	<u> </u>			-							1-		1		1									4
5.1							1	1		1			1	1	_	1	1				_				1	1	1							₩	6
5.52 S	3.4.4		3				1	1						1				1		1 1	4	1				1				_				↓	6
5.3	3.5.1							1																											6
5.54	3.5.2										_																								8
5.5 5.6 5.7 5.8 5.8 5.9	3.5.3							1			_																								1 6
.5.6	3.5.4																				1														5
.1.1 .1.2 .1.3 .1.4 .1.5 .1.5 .1.6 .1.7	3.5.5							1		2 2		1	L	1 :	1	l	1	1		1			1 1	1	1 1	l 1	l								1 24
1.2 1.2 1.3 1.4 1.5	3.5.6			\perp	L		\perp					\perp		\perp			\perp		\perp	\perp		\perp					1			\perp	1	1			5
1.2 1.2 1.3 1.4 1.5	4.1.1										1										1	1									1	1	1 1	. 1	. 7
2.1	4.1.2									1																									1
2.1	4.1.3										1										1	1									1	1	1 1	. 1	. 7
2.2	4.2.1																					1						2							2
2.3	4.2.2					1		1													1	1													1
3.1	4.2.3																1	1			1	1				1	1			1	1	1	+		1
3.2	4.3.1					1		1								1	1	1			1	T		1			T -	2				1	1 1	1	4
.4.1	4.3.2					1	1	1									1			1	1	+			1				1	1		1	+		2
.4.2 1 2 1 3 2 2 1			 			1	+	+		1 1	1		1	1	1		+	+	<u>.</u>	1	1	1		+	+	1	+	1	-	+	1	+	2 2	+	10
		1	2		<u> </u>	+	+			+			1		1	1	+			1	_	_				1			3	1	1				12
	Grand Tota				11	111	1 11		1.	6 21			1 1	14 1.	1 1	. 1	5 1	4	15 2/	1 11			14 14	1	A 1/	1 1/	1 21	12		2 2	4 2				

EPA																				
Number	EPA	515 PHC	516 PHC	519 Foun	520 Foun 523 DFB	524 DFP	531 OTC 587 PCL1	588 PCL2	593 CIPPI	619 INTP	620 INTP	621 INT	622 INTP	623 INT	624 INT	630 PPM	640 DRU	691 DIP	P 693 HIPI	719 INTP
	Collect information to identify a																			
	patient's medication related																			
	problems and health-related needs.						DS-SIM	DS-SIM										DS		
	Analyze information to determine						D3 311VI	D3 311VI										D3	-	
	the effects of medication therapy,																			
	identify medication-related																			
	problems, and prioritize health-																			
	related needs (including																			
	immunizations).									DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM			DS		DS-SIM
	Establish patient-centered goals and									D3 31141	D3 31141	D3 31141	D3 311V1	DS SIIVI	D3 31141			55	_	D3 311V1
	create a care plan for a patient in																			
	collaboration with the patient,																			
	caregiver(s), and other health																			
	professionals that is evidence-based																			
	and cost-effective.						DS-SIM	DS-SIM		DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM			DS		DS-SIM
	Implement a care plan in						25 5	55 5		50 0	20 0	55 5	55 5	55 5	55 5			55	_	20 0
	collaboration with the patient,																			
	caregivers, and other health																			
	professionals.									DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM			DS		DS-SIM
	Follow-up and monitor a care plan.									DS-SIM	DS-SIM				DS-SIM			DS	+	DS-SIM
	Collaborate as a member of an									50 0	20 0	23 3	55 5	55 5	55 5			55	_	20 0
	interprofessional team.																	DS		
	Identify patients at risk for prevalent																	55	_	
	diseases in a population.						DS-SIM	DS-SIM		DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM					DS-SIM
	Minimize adverse events and						25 5	55 5		20 0	50 0	23 3	55 5	20 0	20 0				+	20 0
	medication errors																		0	
	Maximize the appropriate use of																			
	medications in a population.																		0	
	Ensure that patients have been																			
	immunized against vaccine-																			
	preventable diseases																			
	Educate patients and professional																			
	colleagues regarding the appropriate																			
	use of medications.						DS-SIM	DS-SIM		DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM			DS		DS-SIM
	Use evidence-based information to																			
12	advance patient care.									DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM		DS-SIM	0		DS-SIM
	Oversee the pharmacy operations for																			
13	an assigned work shift.								DS							DS-SIM			DS	
14	Fulfill a medication order.						DS-SIM	DS-SIM	DS										DS	
	Create a written plan for continuous																			
15	professional development.																			
16	Leadership EPA						DS													
	Level of Supervision																			
	Observe																			
	Direct Supervision																			
	Reactive Supervision																			
	Intermittent Supervision																			
5	General Direction																			

EPA																EPA
Number	EPA	720 INTP	721 INTP	722 INTP	723 INTP	724 INTP	730 PPM	735 LAW	791 DIPP	800 MAP	802 AAPF	810 HAPF	811 CAPE	820 PRO	PORTFOL	Number
	Collect information to identify a															
	patient's medication related															
1	problems and health-related needs.					DS-SIM			DS	RS	RS	RS	RS			1
-	Analyze information to determine					D3 31111			55	11.5	113	113	113			
	the effects of medication therapy,															
	identify medication-related															
	problems, and prioritize health-															
	related needs (including															
2	immunizations).	DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM			DS	RS	RS	RS	RS			2
	Establish patient-centered goals and															
	create a care plan for a patient in															
	collaboration with the patient,															
	caregiver(s), and other health															
	professionals that is evidence-based															
3	and cost-effective.	DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM			DS	RS	RS	RS	RS			3
	Implement a care plan in															
	collaboration with the patient,															
	caregivers, and other health															
4	professionals.	DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM			DS	RS	RS					4
5	Follow-up and monitor a care plan.	DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM			DS	RS	RS					5
	Collaborate as a member of an															
6	interprofessional team.								DS	RS	RS					6
	Identify patients at risk for prevalent															
7	diseases in a population.	DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM							RS			7
	Minimize adverse events and															
8	medication errors											RS				8
	Maximize the appropriate use of															
9	medications in a population.											RS				9
	Ensure that patients have been															
	immunized against vaccine-															
10	preventable diseases														RS-SIM	10
	Educate patients and professional															
	colleagues regarding the appropriate															
11	use of medications.	DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM			DS	RS	RS	RS	RS			11
	Use evidence-based information to															
12	advance patient care.	DS-SIM	DS-SIM	DS-SIM	DS-SIM	DS-SIM			0	RS	RS					12
	Oversee the pharmacy operations for															
	an assigned work shift.						DS-SIM					RS	RS			13
14	Fulfill a medication order.											RS	RS		-	14
	Croata a writton plan for continuous															
15	Create a written plan for continuous professional development.														RS	15
16	Leadership EPA														RS	16
10	Leadership LFA														1/2	10
	Level of Supervision														 	
1	Observe														 	
2	Direct Supervision															
3	Reactive Supervision															
4	Intermittent Supervision															
5	General Direction															
•		l			l		l			l				1	1	

Curriculum Consultation Forms

Form B and Form C

To be completed by each department affected by the proposed change, addition, or deletion. Potential duplication of coursework is reason for consultation.

- 1. This completed form must be forwarded with the proposal to the administrator of the department to be consulted.
- 2. The department must respond within 10 business days of receipt of this form to insure inclusion in the final proposal. The completed original is returned to the Academic Senate Office to be inserted into the proposal and a copy is returned to the initiator.

The department must acknowledge receipt of this form and the proposal in writing to the initiator.

Failure to respond by 10 business days of receipt of this form is interpreted as support for the proposal.

3. The Proposing Department must address any concerns raised by the consulted department. This response must be in writing and will be included in the proposal following the original consultation form.

RE: Proposal Title: <u>Doctor of Pharmacy Degree Curricular Revision</u>

Initiator(s): Gregory Wellman, R.Ph., Ph.D., Professor of Pharmacy Proposal Contact: Greg Wellman Date Sent: 2/7/17 Department: Biology c/o Joe Lipar, Ph.D., Chair, Biology Department (Please type) Campus Address: ASC 204
Based upon department faculty review on (Date) we: Support the above proposal. Support the above proposal with the modifications and concerns listed below. Do not support the proposal for the reasons listed below. Comment regarding the impact this proposal has on current curriculum including prerequisites, scheduling, room assignments, and/or faculty load for your department. Use additional pages, if necessary.
Responding Department: Administrator: Date Received: Date Returned: Signature:

Effective Fall 2016

To be completed by each department affected by the proposed change addition or deletion. Potential duplication of coursework is reason for consultation.

- 1. This completed form must be forwarded with the proposal to the administrator of the department to be consulted.
- 2. The department must respond within 10 bus ness days of receipt of this form to insure inclusion in the final proposal. The completed original is returned to the Academic Senate Office to be inserted into the proposal and a copy is returned to the initiator.

The department must acknowledge receipt of this form and the proposal in writing to the nitiator.

Failure to respond by 10 business days of receipt of this form is interpreted as support for the proposal.

3 The Proposing Department must address any concerns raised by the consulted department. This response must be in writing and will be included in the proposal following the original consultation form.

RE: Proposal Title: <u>Doctor of Pharmacy Degree Curricular Revision</u>

Initiator(s): Greg Wellman, R.Ph., Ph.D., Professor of Pharmacy	
Proposal Contact Greg Wem a Date Sent: 2/7/17	
Department: Business/MBA c/o Shannon Yost, Campus Address: BUS 212B	
14	

Based upon department faculty review on February 8, 2017 (Date) we:

Support the above proposal.

Support the above proposal with the modifications and concerns listed below

Do not support the proposal for the reasons listed below.

Comment regarding the impact this proposal has on current curriculum including prerequisites, scheduling, room assignments, and/or faculty load for your department. Use additional pages, if necessary. Click here to enter text.

Responding Department: Management Department

Administrator: Gayle Lopez Date Received: February 7, 2017 Date Returned: February 9 2017

Signature:

UGPCFORM B - Graduate

Effective Fall 2016

To be completed by each department affected by the proposed change, addition, or deletion. Potential duplication of coursework is reason for consultation.

- 1. This completed form must be forwarded with the proposal to the administrator of the department to be consulted.
- 2. The department must respond within 10 business days of receipt of this form to insure inclusion in the final proposal. The completed original is returned to the Academic Senate Office to be inserted into the proposal and a copy is returned to the initiator.

The department must acknowledge receipt of this form and the proposal in writing to the initiator.

Failure to respond by 10 business days of receipt of this form is interpreted as support for the proposal.

3. The Proposing Department must address any concerns raised by the consulted department. This response must be in writing and will be included in the proposal following the original consultation form.

RE: Proposal Title: <u>Doctor of Pharmacy Curricular Revision</u>

Initiator(s): Gregory Wellman, R.Ph., Ph.D., Professor of Pharmacy
Proposal Contact: Gregory Wellman, R.Ph., Ph.D. Date Sent: 2/7/17
Department: Liza Ing, Ed.D., University Graduate Professional Council (Please type)
Based upon department faculty review on 2-14-17 (Date) we:
Support the above proposal. Pending College approval.
□ Support the above proposal with the modifications and concerns listed below.
☐ Do not support the proposal for the reasons listed below.
Comment regarding the impact this proposal has on current curriculum including prerequisites, scheduling, room assignments, and/or faculty load for your department. Use additional pages, if necessary.
Responding Department: UGPC
Administrator: Liza IngDate Received: 2-7-`7 Date Returned: 2-14-17
Signature: Lina Ing

FLITE SERVICES CONSULTATION FORM

To be completed by the liaison librarian and approved by the Dean of FLITE. FLITE must return the original form to the Academic Senate office to be inserted in the proposal and a copy to the initiator. FLITE must respond within 10 business days of receipt of this form to insure that the form is included in the final proposal.

Failure to respond by 10 business days of receipt of this form is interpreted as support for the proposal.

RE: Proposal Title: Doctor of Pharmacy Degree Curricular Revision

Projected number of students per year affected by proposed change: Click here to enter text.

Initiator(s): Greg Wellman, R.Ph., Ph.D., Professor of Pharmacy								
Proposal Contact: Greg Wellman Date Sent: 2/7/17								
Department: Library, Alison Konieczny Campus Address: FLITE 208 (Please type)								
Liaison Librarian Signature: Auson Konceyny Date Received: 2/7/2018 Dean of FLITE Signature: Date Returned: 2/3/17								
Based upon our review on 2/10/2017, FLITE concludes that:								
□ Library resources to support the proposed curriculum change are currently available.								
☐ Additional Library resources are needed but can be obtained from current funds.								
Support, but significant additional Library funds/resources are required in the amount of \$_Click here to enter text								
☐ Does not support the proposal for reasons listed below.								
Comment regarding the impact this proposal will have on library resources, collection development, or other FLITE programs. Use additional pages if necessary.								
It does not appear that the proposed curricular revision will significantly alter the collection development needs of the								

Curriculum Form EF's for New Courses

PHAR	515 PH	CS1 For	m EF Co	urse	Inform	ati	on For	m (form	nerly Foi	rm E an	d Foi	rm F)
I. ACTI	. ACTION TO BE TAKEN:											
\boxtimes C	REATE, 🗆	MODIF	/, OR □	DELE	TE							
Desi	red Term	Effective	Date (6-c	ligit c	ode): 201	80	8					
	E: The first f		=	_	-			ate month	in which te	erm begins	i.	
	- , ,		, , , ,	, .			,			3		
II.COUI	RSE IDENT	IFICATIO	N: PHAR !	515 P	harmacy 8	& F	lealth C	are Syster	m 1			
					, Course N							
If de	leting a co	urse STO										
	nodificatio			elds th	nat will be	e cl	hanged.					
	ating a co	•					J					
	J	,	•	_								
		CURR	ENT						Р	ROPOSED)	
Prefix	Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar
		Hours							Hours			
							PHAR	515	3	3		
Title:		T		1				harmacy	& Health	Care Syst	em 1	
Cred	it Hours	Prereq	uisites		Co-		Credi	t Hours	Prereq	uisites	Co-requisites	
				red	quisites							
							_	3				
Cours	e/Catalog	Description	on <i>(125 w</i>	ords)				/Catalog				trad Crata and the
										•		ited States with
							comparisons to relevant systems in other parts of the world. Reviews the professional roles of the pharmacist in historical and contemporary					
												odels from the
								nental and p d profession				ered; as well as the
Cours	e Outcom	es and As	sessment	· Plan				Outcome				•
		00 0110 7 10					See be		50 0110 7 100			
Cours	e Outline i	including	Time Allo	catio	n			Outline i	ncluding 7	Time Allo	cation	
					· ·		See be					
A. If n	ot LEC/LA	B/SEM. C	heck box	as ap	propriate	ſSe			endix E1:			
	Practicum	•		•			,	,,	,			
	Independe											
	llege Code	•										
	partment (ΔR									
	edit Hours:		· · · ·									
	Variable	•										
	Fixed	سيمانا المناس	2									
	nimum Cre											
	Maximum Credit Hours: 3Hours may be repeated for additional credit: No											
	-	e repeate	a for add	itiona	ı credit: N	10						
	Yes – If ye	s, max tin	nes repea	ited:	OR max c	rec	dits awai	ded:				
H. Lev	_											
	Undergrad	duate										
	Graduate											
\boxtimes	□ Professional											

Grade Method:

PHAR 515 PHCS1 Form EF Course Informat	tion Form (formerly Form E and Form F)
☐ Credit/No Credit	
. Does the proposed course replace an equivalent	course?
⊠ No	
\square Yes – If yes, enter equivalent course:	
Cours	se Prefix, Number – Course Title
K. Term(s) Offered: Fall	
Max Section Enrollment:	
Lecture: 160	
Lab:	
To be completed by Academic Affairs Office: Standards	
☐ Basic Skill (BS), ☐ General Education, ☐ Occupation	nal Education, Gen Ed. Codes:
JCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR USE ONLY	
Date Rec'd: Date Completed:	
Entered: SCACRSE, SCADETL, SCARRES, SCAPR	REQ

Course Outcomes and Assessment Plan (proposed):

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Describe the basic role and function of prescription benefit plans including relevant federal (e.g. Medicare, Medicaid) and state plans.	2.2.1: Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2: Medication System Use	Examination- formative, case studies
	2.3.2: Evaluate personal, social, economic, and environmental conditions to maximize health and wellness.	2.3: Health and Wellness	Examination- formative, case studies
Describe the basic structure and function of the U.S. health care system, and currently available medication distribution systems.	2.2.1: Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2: Medication System Use	Examination- formative, case studies
Describe the different roles and responsibilities of professional and technical personnel in different type of pharmacy operations.	3.3.2: Define clear roles and responsibilities for healthcare team members to optimize outcomes for specific patient care encounters.	3.4: Interprofessional Collaboration	Examination- formative, case studies
Describe the fundamentals of jurisprudence related to the U.S. legal system.	1.1.8: Apply the federal and appropriate state-specific statutes that regulate the practice of pharmacy, along with relevant civil and contract law.	1.1: Foundational Knowledge	Examination- formative
	4.4.2: Deliver patient-centered care in a manner that is legal, ethical, and compassionate.	4.4: Professionalism	Examination- formative
Describe the important laws enacted at the federal and state level that influence the use of prescription and non-prescription drugs in the U.S.	1.1.8: Apply the federal and appropriate state-specific statutes that regulate the practice of pharmacy, along with relevant civil and contract law.	1.1: Foundational Knowledge	Examination- formative, case studies

PHAR 515 PHCS1 Form EF Course Information Form (formerly Form E and Form F)

Describe the process by which prescription and non-prescription drugs are distributed for use in the United States and compare to process used in some other developed countries.	2.2.1: Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2: Medication System Use	Examination- formative, case studies
Describe the rationale for the shift in practice from product to patient-centered care.	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examination- formative, case studies
Interpret principles of jurisprudence in the context of exposure to pharmacy practice settings in the experiential.	1.1.8: Apply the federal and appropriate state-specific statutes that regulate the practice of pharmacy, along with relevant civil and contract law.	1.1: Foundational Knowledge	Examination- formative, case studies
List the advantages and disadvantages of relevant health care and drug distribution system for the management of a specific patient (e.g., pediatric, geriatric) or therapeutic problem.	2.2.1: Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2: Medication System Use	Examination- formative
List the important historical events and milestones that have contributed to the evolution of pharmacy practice in the U.S.	2.2.1: Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2: Medication System Use	Examination- formative, case studies
List the site and patient specific characteristics that dictate the role of the pharmacist in health delivery systems.	2.3.2: Evaluate personal, social, economic, and environmental conditions to maximize health and wellness.	2.3: Health and Wellness	Examination- formative, case studies

Course Outline including Time Allocation (proposed):

Express time allocation in one of the following formats for a 3 credit hour course; adjust accordingly: Weeks (15 weeks), Hours (45 hours, assuming 3 contact hours per week, Percentages (100 percent)

TOPIC	HOURS
Introduction to the class	1
Academic professionalism	1
Introduction to the US healthcare system and distribution of pharmaceuticals	3
The role of public and private insurers, pharmaceutical industry, and managed care	
on the pharmaceutical supply chain in the United States	3
Reimbursement for pharmacy services under Medicare, Medicaid and private	
prescription benefit managers	3
Prescription benefit management and third party administration	6
History of Pharmacy and Introduction to laws relevant to pharmacy practice	3
The pharmaceutical industry and drug approval process	3
Pharmacy as a profession and professional organizations	4
Roles and function of the pharmacist and pharmacy services in contemporary health	
care systems	14
Research in Medical Practice	2
Exams	2
TOTAL	45

PHAR 516 PHCS2 Form EF Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: □ CREATE, □ MODIFY, OR □ DELETE Desired Term Effective Date (6-digit code): 201808 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 516 Pharmacy & Health Care System 2 Course Prefix, Course Number – Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Lab Seminar Prefix Number Contact Lecture Lab Seminar Hours Hours PHAR 516 3 3 Title: Pharmacy & Health Care System 2 Title: **Credit Hours Prerequisites** Co-requisites **Credit Hours** Prerequisites Co-requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Covers humanistic health outcomes and examines how social, linguistic and cultural factors play a role in pharmacy care. Involves the application of behavioral science principles to provide public education and/or promote public awareness of disease prevention with an eye toward cultural influences and global burden of disease. The course introduces students to the concepts and methods of pharmacoepidemiology. In addition, the principles of bioethics are covered and applied to relevant issues in pharmacy practice to broaden the students understanding of professional behavior. Throughout the course, an emphasis is placed on assessing and interpreting socio-economic and cultural factors and identifying ways to integrate them into the delivery of patientcentered services. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan See below Course Outline including Time Allocation Course Outline including Time Allocation See below A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: PH C. Department Code: PHAR D. Credit Hours: ☐ Variable □ Fixed E. Minimum Credit Hours: 3 Maximum Credit Hours: 3 G. Hours may be repeated for additional credit: No ⊠ No ☐ Yes – If yes, max times repeated: **OR** max credits awarded: H. Levels: ☐ Undergraduate ☐ Graduate

□ Professional Grade Method:

PF	PHAR 516 PHCS2 Form EF Course Information Form (formerly Form E	and Form F)
	Standard Letter Grading	
	☐ Credit/No Credit	
J.	J. Does the proposed course replace an equivalent course?	
	⊠ No	
	\square Yes – If yes, enter equivalent course:	
	Course Prefix, Number – Course Title	
K.	K. Term(s) Offered: Spring	
L.	L. Max Section Enrollment:	
	Lecture: 160	
	Lab:	
To	To be completed by Academic Affairs Office: Standards & Measures Coding and General Educa	tion Code
	☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed. Codes:	
UC	UCC Chair Signature & Date: Academic Affairs Approval	Signature & Date:
0	OFFICE OF THE REGISTRAR USE ONLY	
D	Date Rec'd: Date Completed:	
F	Entered: TSCACRSE TSCADETI TSCARRES TSCAPRED	

Course Outcomes and Assessment Plan (proposed):

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Assess the health literacy and cultural influences for a patient seeking pharmacy services and appropriately interpret how to adjust delivery of services based on that assessment.	3.4.3: Assess a patient's health literacy and modify communication strategies to meet the patient's needs.	3.5: Cultural Sensitivity	Examination- formative, case studies
	3.4.4: Consider cultural issues in all aspects of practice to reduce health disparities.	3.5: Cultural Sensitivity	Examination- formative, case studies
Discuss issues of bias and confounding, and assess validity of the medical evidence.	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examination- formative, case studies
	2.4.2: Develop and provide an evidence-based approach to population health management that considers the cost, care, access, and satisfaction needs of a targeted patient population.	2.4: Population- Based Care	Examination- formative, case studies
Explain how differences in approach to social, cultural, linguistic, political and scientific issues among people can affect behaviors related to disease management and health policy.	3.4.1: Recognize the collective identity and norms of different cultures without overgeneralizing (i.e., recognize and avoid biases and stereotyping).	3.5: Cultural Sensitivity	Examination- formative, case studies
policy.	3.4.4: Consider cultural issues in all aspects of practice to reduce health disparities.	3.5: Cultural Sensitivity	Examination- formative, case studies
Identify or critique programs to provide public education and/or promote public awareness of disease prevention and health collaboratively with others.	2.3.1: Design systematic preventative care, using risk assessment, risk reduction, screening, education, and immunizations to improve health and wellness.	2.3: Health and Wellness	Examination- formative, case studies
Identify the general purposes of epidemiologic research and principles of study design.	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examination- formative, case studies

PHAR 516 PHCS2 Form EF Course Information Form (formerly Form E and Form F)

() () () () () () () () () ()		
2.3.2: Evaluate personal, social, economic, and environmental conditions to maximize health and wellness.	2.3: Health and Wellness	Examination- formative, case studies
4.4.2: Deliver patient-centered care in a manner that is legal, ethical, and compassionate.	4.4: Professionalism	Examination- formative, case studies
1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examination- formative, case studies
3.4.4: Consider cultural issues in all aspects of practice to reduce health disparities.	3.5: Cultural Sensitivity	Examination- formative, case studies
4.4.2: Deliver patient-centered care in a manner that is legal, ethical, and compassionate.	4.4: Professionalism	Examination- formative, case studies
2.3.1: Design systematic preventative care, using risk assessment, risk reduction, screening, education, and immunizations to improve health and wellness.	2.3: Health and Wellness	Examination- formative, case studies
1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examination- formative, case studies
1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examination- formative, case studies
	2.3.2: Evaluate personal, social, economic, and environmental conditions to maximize health and wellness. 4.4.2: Deliver patient-centered care in a manner that is legal, ethical, and compassionate. 1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies. 3.4.4: Consider cultural issues in all aspects of practice to reduce health disparities. 4.4.2: Deliver patient-centered care in a manner that is legal, ethical, and compassionate. 2.3.1: Design systematic preventative care, using risk assessment, risk reduction, screening, education, and immunizations to improve health and wellness. 1.1.1: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	2.3.2: Evaluate personal, social, economic, and environmental conditions to maximize health and wellness. 4.4.2: Deliver patient-centered care in a manner that is legal, ethical, and compassionate. 1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies. 3.4.4: Consider cultural issues in all aspects of practice to reduce health disparities. 4.4: Professionalism 3.5: Cultural Sensitivity 4.4.2: Deliver patient-centered care in a manner that is legal, ethical, and compassionate. 2.3.1: Design systematic preventative care, using risk assessment, risk reduction, screening, education, and immunizations to improve health and wellness. 1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies. 1.1.12: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and Knowledge 1.1: Foundational Knowledge

Course Outline including Time Allocation (proposed):

Express time allocation in one of the following formats for a 3 credit hour course; adjust accordingly: Weeks (15 weeks), Hours (45 hours, assuming 3 contact hours per week, Percentages (100 percent)

TOPIC	HOURS
Introduction to the course	1
Principles of ethical decision making in health care	5
Patient-centered and unique patient dilemmas in ethical decision making (considering ethical, social, legal and cultural influences)	4
Cultural competency and diversity in the provision of contemporary pharmacy services (how social, cultural, linguistic, literacy and political issues influence health behaviors)	6
Public health promotion and disease prevention (behavior modification, screening)	9
Patient reported outcomes and health related quality-of-life (validity and reliability)	6
Introduction to pharmacoepidemiology (study designs, bias/confounding)	5
Interpreting and applying pharmacoepidemiology (sample sizes, hypothesis testing, p-values, health risk measures)	7
Exams (Not including the final exam)	2
TOTAL	45

PHAR 519 Found1 Form EF Course Information Form (formerly Form E and Form F)												
	ACTION TO BE TAKEN:											
X	☐ CREATE, ☐ MODIFY, OR ☐ DELETE											
De	sired Term	Effective	Date (6-0	ligit c	nde): 201:	ลก	Q					
	TE: The first j		=	_	=			ate month i	in which te	rm beains	5.	
	-,,		,	, ,			,					
II.CO	URSE IDENT	IFICATIO	N: PHAR	519 Fc	oundation	S (of Pharm	nacothera	ру 1			
				Prefix	Course Nu	ım	ber – Cou	ırse Title				
	eleting a co											
	modification	•					hanged.					
IT C	reating a co	urse, con	npiete <u>aii</u>	_reiev	ant fields	•						
		CURR	FNT						PR	OPOSED		
Prefix	x Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar
		Hours							Hours			
Title							PHAR	519	3	3	ra m. (1	
	dit Hours	Preren	uisites		Co-			oundatior t Hours	Prereq			Co-requisites
Cic	dicriours	110109	Juisites	rec	uisites		Crear	criours	110104	aisites	`	so requisites
								3				
Cou	rse/Catalog	Descripti	on <i>(125 w</i>	ords)				/Catalog I				
							Considers the physicohemical properties of biological molecules,					
							describes bioenergetics, and details enzyme structure, function, kinetics, and regulation. Metabolic pathways involving the various					
							categories of biomolecules (carbohydrates, lipids, and proteins) are covered in depth with emphasis placed upon the interrelationships					
								irly as they p				interrelationships
Cou	rse Outcom	es and As	sessment	: Plan			Course Outcomes and Assessment Plan					
							See be					
Cou	rse Outline	including	Time Allo	catio	1		Course Outline including Time Allocation					
۸ ۱۲	mot LEC/LA	D/CENA C	برمط باممط			[C-	See be					
	not LEC/LA Practicum		песк вох	as app	oropriate	ĮSė	e Dejiniti	ons in App	enaix Ej:			
	∃ Practicum ∃ Independ											
	ollege Code	•										
	epartment		AR									
	redit Hours											
	☐ Variable											
\triangleright	☑ Fixed											
E. N	1inimum Cr	edit Hours	s: 3									
F. N	1aximum Cr	edit Hour	s: 3									
	ours may b	e repeate	d for add	itiona	l credit: N	0						
\geq	☑ No											
	☐ Yes — If ye	s, max tin	nes repea	ited:	OR max ci	ec	dits awar	ded:				
	evels:											
	Undergrad	uate										
	☐ Graduate	1										
Ľ	□ Professional											

I. Grade Method:

7	HAR 519 Found1 Form EF Course Information Form (formerly Form E and Form F)
	☐ Credit/No Credit
	Does the proposed course replace an equivalent course?
	□ No
	☐ Yes – If yes, enter equivalent course:
	Course Prefix, Number – Course Title
ζ.	Term(s) Offered: Fall
	Max Section Enrollment:
	Lecture: 160
	Lab:
	o be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code
	Basic Skill (BS), General Education, Occupational Education, Gen Ed. Codes:
JC	CC Chair Signature & Date: Academic Affairs Approval Signature & Date:
_	FFICE OF THE REGISTRAR USE ONLY
	ate Rec'd: Date Completed:
Eı	ntered: 🗆 SCACRSE, 🗀 SCADETL, 🗀 SCARRES, 🗀 SCAPREQ

Course Outcomes and Assessment Plan (proposed):

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Describe the major enzymatic steps, metabolites, and points of regulation for carbohydrate metabolism (i.e. glycolysis, gluconeogenesis, TCA cycle, pentose phosphate, electron transport, glycogenolysis). Relate medical concepts of carbohydrate metabolism to drugs and drug targets in a patient-specific disease management plan.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examination-formative, Examination- summative, Case studies
Describe the major enzymatic steps, metabolites, and points of regulation for lipid metabolism (i.e. beta oxidation, fatty acid synthesis, triacylglycerol cycling, and cholesterol metabolism). Relate concepts of lipid metabolism to drugs and drug targets in a patient-specific disease management plan.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examination-formative, Examination- summative, Case studies
Analyze and apply information concerning absorption, distribution, metabolism, and excretion on the role of a drug for developing a patient-specific treatment plan.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physico-chemical properties, structureactivity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examination-formative, Examination- summative, Case studies
Describe how physicochemical properties of a drug, including solubility, ionization, buffering, and salts impact absorption and distribution.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physico-chemical properties, structureactivity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examination-formative, Examination- summative, Case studies
Describe the chemical properties of a drug, including bioisosteres and pharmacophores to analyze drug structure activity relationships.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physico-chemical properties, structure-	1.1: Foundational Knowledge	Examination-formative, Examination- summative, Case studies

PHAR 519 Found1 Form EF Course Information Form (formerly Form E and Form F)

	• • •		•
	activity relationships, receptor binding, and metabolism to therapeutic decision making.		
List the important structural properties of proteins and apply enzyme kinetics principles to drug metabolism.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physico-chemical properties, structureactivity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examination-formative, Examination- summative,Case studies
Describe and apply the enzymatic mechanisms involved in drug metabolism.	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decision-making.	1.1: Foundational Knowledge	Examination-formative, Examination- summative, Case studies

Course Outline including Time Allocation (current):

Express time allocation in one of the following formats for a 3 credit hour course; adjust accordingly: Weeks (15 weeks), Hours (45 hours, assuming 3 contact hours per week, Percentages (100 percent)

TOPIC	HOURS
Properties of Water, Acids, Bases, and Buffers	2
Amino Acids	1
Characteristics of Peptide Bonds	1
Proteins and Levels of Protein Organization	2
Fibrous and Globular Proteins	1
Models of Protein and Enzyme Function	1
Enzyme Mechanisms	2
Enzyme Kinetics	2
Lipid Classifications	1
Lipid Aggregation	1
Carbohydrates Classifications	1
Glycoproteins	1
Thermodynamic Principles and Equilibria	1
Introduction to Metabolic Pathways	1
Carbohydrate Metabolism- Glycolysis and the cori cycle, glycogen metabolism	7
Aerobic Metabolism - Citric Acid Cycle, Electron Transport and Oxidative Phosphorylation	6
Lipid Metabolism - Lipid digestion, absorption, and transport, beta-oxidation, ketone bodies, lipid	7
biosynthesis (cholesterol synthesis, prostaglandin synthesis and functions, leukotriene synthesis and	
functions)	
Amino Acid Metabolism – Transamination, urea cycle, amino acid breakdown and gluconeogenesis,	4
biosynthesis from amino acid precursors	
Exams	3
TOTAL	45

PHAR 520 Found2 Form EF Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: □ CREATE, □ MODIFY, OR □ DELETE Desired Term Effective Date (6-digit code): 201808 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 520 Foundations of Pharmacotherapy 2 Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Contact Lecture Contact Lecture Number Prefix Number Lab Lab Seminar Seminar Hours Hours PHAR 520 3 Title: Foundations of Pharmacotherapy 2 Title: **Credit Hours Prerequisites** Co-Credit Hours **Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Considers extracellular and intracellular signaling (autocrine, paracrine, and endocrine systems). Considers cholinergic, dopaminergic, hallucinogenic, sympathomimetic, sedativehypnotic, Considers replication, transcription and translation of genetic material. The scientific fundamentals of recombinant drugs (e.g. monoclonal antibodies, RNAi drugs), pharmacogenetics, and pharmacogenomics in clinical practice and outcomes on patient care are also considered. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan See below Course Outline including Time Allocation Course Outline including Time Allocation See below A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: PH C. Department Code: PHAR D. Credit Hours: ☐ Variable

 \bowtie No

E. Minimum Credit Hours: 3F. Maximum Credit Hours: 3

G. Hours may be repeated for additional credit: No

48

PF	HAR 520 Found2 Form EF Course Information Form (Tormerly Form E and Form F)	
	\square Yes – If yes, max times repeated: OR max credits awarded:	
Н.	Levels:	
	☐ Undergraduate	
	☐ Graduate	
	☑ Professional	
I.	Grade Method:	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
	⊠ No	
	\square Yes – If yes, enter equivalent course:	
	Course Prefix, Number – Course Title	
K.	Term(s) Offered: Spring	
L.	Max Section Enrollment:	
	Lecture: 160	
	Lab:	
To	to be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code	
	☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed. Codes:	
ПС	CC Chair Signature & Date: Academic Affairs Approval Signature & Date:	
UC	Academic Arians Approval Signature & Date.	
		
0	OFFICE OF THE REGISTRAR USE ONLY	
	Date Rec'd: Date Completed:	
Er	ntered: \[\sumset SCACRSE, SCADETL, SCARRES, SCAPREQ \]	

Course Outcomes and Assessment Plan (proposed):

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Describe the metabolic pathways for lipid signaling molecules and predict the pathological consequences of blockages in these pathways.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies
Describe the processes involved in replication, transcription, and translation of genetic information.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies
Describe the synthesis of neurotransmitters and their role in neurotransmission.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies
Predict and interpret the role of pharmacogenetics and pharmacogenomics interactions on patient-specific drug treatments.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies
Analyze and interpret the role of extracellular and intracellular receptors in binding of drugs and pharmacodynamic action.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physio-chemical properties,	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies

PHAR 520 Found2 Form EF Course Information Form (formerly Form E and Form F)

	structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.		
Describe the role of intracellular and extracellular receptors in binding of drugs and pharmacodynamic action.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physio-chemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies
Describe the role of recombinant technology and the role that monoclonal antibodies play as targeted therapeutic agents.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physio-chemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies
Describe the synthesis of neurotransmitters and their role in neurotransmission.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physio-chemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies
Predict and interpret the role of pharmacogenetics and pharmacogenomics interactions on patient-specific drug treatments.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physio-chemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies
Describe the metabolic pathways for lipid signaling molecules and predict the pathological consequences of blockages in these pathways.	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decision-making.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies
Predict and interpret the role of pharmacogenetics and pharmacogenomics interactions on patient-specific drug treatments.	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decision-making.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies

Course Outline including Time Allocation (proposed): (See table below)

TOPIC	HOURS
Extracellular receptors-G protein-coupled receptors, tyrosine kinase-based signaling,	5
phosphoinositide cascade, ion channels and their role in drug binding and drug action	
Drug receptor theories (rate, occupational)	2
Dose response curves (experimental design, variability): case-based learning examples	3
Arachidonate synthesis and introduction to signaling molecules	2
Steroid hormone synthesis and introduction to signaling molecules	2
Synthesis of neurotransmitters and important drug targets	2
Neurotransmitter receptors	2
Toxicology and introduction to toxidromes-anticholinergic, dopaminergic, hallucinogenic,	3
sympathomimetic, sedative-hypnotic, serotonergic, cholinergic: case-based learning examples	
Nucleotide metabolism	1
DNA replication	1
DNA Repair (homologous recombination)	1
RNA transcription	1
Amino acid synthesis (selected medically-relevant examples): case-based learning examples	1
Peptide Translation	2
Introduction to Drug Discovery Process	1
Introduction to monoclonal antibodies and drug action	4
Pharmacogenetics and pharmacogenomics drug interactions and outcomes on personalized	8
therapy; case-based learning examples	
Exams	3
TOTAL	45

PH/	AR 5	523 DFE	Form E	EF Cour	se In	formation	on	Form	(forme	rly For	m E an	d Fo	orm F)
. AC	. ACTION TO BE TAKEN:												
\boxtimes	CR	REATE, 🗆	MODIFY	/, OR □	DELE	TE							
		•		•									
D	Desired Term Effective Date (6-digit code): 201808												
	NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.												
II.CC	DUR!	SE IDENT	IFICATION	N: PHAR 5	523 D	osage For	ms	and Bio	pharmac	eutics			
						. Course Nu			-				
If	dele	eting a co	urse STO	P HERE.									
Fc	or m	odificatio	n, compl	ete all fie	lds th	at will be	cŀ	nanged.					
			•			ant fields.							
			-	·	_								
			CURR	ENT						PI	ROPOSED		
Pre	fix	Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar
			Hours							Hours	_		
								PHAR	523	4	4		
Titl					I				osage For		•		
Cr	redit	Hours	Prereq	uisites		Co-		Credi	t Hours	Prereq	uisites		Co-requisites
					red	quisites			4				
Co	urco	/Catalog	 Description	on /125	ords)				•	Doccrintic	n /125	 	
CO	urse	Catalog	Description	JII (125 W	orus)			Course/Catalog Description (125 words) This course will cover the physicochemical properties of drugs,					
													operties including
													a, and rheology will be
													solution and mpounding and
								_	_			_	also be covered.
													will be introduced as
_									ome releva				
Co	urse	Outcome	es and As	sessment	Plan			1	Outcome	es and Ass	essment	Plan	
		0 11: - :	1 12	T' All .		_		See be		1	A II .		
Co	urse	Outline i	ncluding	Time Allo	catior	1			Outline i	ncluding	ime Allo	cation	
٨	16	+150/141	D/CENA CI	برمط بامم			IC-	See be					
		-	B/SEIVI, CI	песк рох	as app	oropriate ,	įSe	e Definiti	ons in App	enaix Ej:			
		racticum											
		ndepende											
		ege Code											
			Code: PH	4R									
		dit Hours:											
☐ Variable													
	⊠ Fixed												
E.	Mini	imum Cre	dit Hours	s: 4									
F.	Max	imum Cre	edit Hour	s: 4									
G.	Hou	rs may be	e repeate	d for add	tiona	l credit: N	0						
	⊠ No												
	□ Y	es – If ye	s, max tin	nes repea	ted: (OR max cr	ec	lits awar	ded:				
	Leve			•									
	□ u	Indergrad	luate										
		iraduate											

Grade Method: Standard Letter Grading Credit/No Credit Does the proposed course replace an equivalent course? No			
□ Credit/No Credit Does the proposed course replace an equivalent course? □ No □ Yes − If yes, enter equivalent course: Course Prefix, Number − Course Title K. Term(s) Offered: Fall L. Max Section Enrollment: Lecture: 160 Lab: To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code □ Basic Skill (BS), □ General Education, □ Occupational Education, Gen Ed. Codes: UCC Chair Signature & Date: OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: □ Date Completed: □ Date Co	١.	I. Grade Method:	
Does the proposed course replace an equivalent course? No Yes − If yes, enter equivalent course: Course Prefix, Number − Course Title K. Term(s) Offered: Fall Max Section Enrollment: Lecture: 160 Lab: To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code Basic Skill (BS), □ General Education, □ Occupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date: OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: □ Date Completed: □			
No		☐ Credit/No Credit	
□ Yes − If yes, enter equivalent course: Course Prefix, Number − Course Title K. Term(s) Offered: Fall L. Max Section Enrollment: Lecture: 160 Lab: To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code □ Basic Skill (BS), □ General Education, □ Occupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date: OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: □ Date Completed: □ Date Com	J.	J. Does the proposed course replace an equivalent course?	
Course Prefix, Number – Course Title K. Term(s) Offered: Fall L. Max Section Enrollment: Lecture: 160 Lab: To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code Basic Skill (BS), General Education, Occupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date: OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed:		⊠ No	
K. Term(s) Offered: Fall L. Max Section Enrollment: Lecture: 160 Lab: To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code Basic Skill (BS), General Education, Coccupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date: OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed: Date Completed:		\square Yes – If yes, enter equivalent course:	
L. Max Section Enrollment: Lecture: 160 Lab: To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code Basic Skill (BS), General Education, Coccupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date: OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed:		Course Prefix, Number – Cou	ırse Title
Lecture: 160 Lab: To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code Basic Skill (BS), General Education, Coccupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date: OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed: Date	K.	K. Term(s) Offered: Fall	
To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code □ Basic Skill (BS), □ General Education, □ Occupational Education, Gen Ed. Codes: □ CC Chair Signature & Date: □ Academic Affairs Approval Signature & Date: OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed:	L.	L. Max Section Enrollment:	
To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code □ Basic Skill (BS), □ General Education, □ Occupational Education, Gen Ed. Codes: □ CC Chair Signature & Date: □ Academic Affairs Approval Signature & Date: □ OFFICE OF THE REGISTRAR USE ONLY □ Date Completed: □ Date Completed:		Lecture: 160	
□ Basic Skill (BS), □ General Education, □ Occupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date: OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed:		Lab:	
□ Basic Skill (BS), □ General Education, □ Occupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date: OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed:			
UCC Chair Signature & Date: Academic Affairs Approval Signature & Date: OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed:			
OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed:		☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed.	Codes:
OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed:	UC	UCC Chair Signature & Date:	ic Affairs Approval Signature & Date:
Date Rec'd: Date Completed:	-	Academ	ie / ii aii 3 / ippi ovai 3 igi atai e & Date.
Date Rec'd: Date Completed:			
Date Rec'd: Date Completed:			
	0	OFFICE OF THE REGISTRAR USE ONLY	
Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	Do	Date Rec'd: Date Completed:	
	Er	Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

Course Outcomes and Assessment Plan (proposed):

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Evaluate the potential risk for drugs to interact and determine the pharmacokinetic mechanism for a given drug interaction.	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decision-making.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz
Differentiate between linear and non-linear pharmacokinetics and calculate non-linear, dose-dependent pharmacokinetic parameters.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz, Calculation
Select the appropriate pharmacokinetic model and calculate pharmacokinetics parameters for a given drug and route of administration	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz, Calculation
Describe how first pass effect, route of administration and physical form of the dosage form influence how much drug may reach the systemic circulation.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz, Calculation
Describe how the physicochemical properties of the drug influence drug release from a dosage form and absorption.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz
Describe manufacturing methods of non- sterile and sterile products.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz

Describe optimal storage of commercial dosage forms.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz, Calculation
Describe unique administration issues associated with different types of dosage forms (extended release, transdermal, Do Not Crush, etc.)	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz, Calculation
Interpret how pharmacokinetic parameters influence a drug's behavior in the body.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz
List common excipients and describe their potential issues in pharmaceutical dosage forms.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz
Select the best route of administration and dosage form combination for a given patient population.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz

Course Outline including Time Allocation (proposed):

Express time allocation in one of the following formats for a 3 credit hour course; adjust accordingly: Weeks (15 weeks), Hours (45 hours, assuming 3 contact hours per week, Percentages (100 percent)

Торіс	Hrs
Introduction to Dosage Forms	6
Solubility, Dissolution and Partitioning	6
Absorption of Drugs - Physiological/Routes	2
Introduction to Biopharmaceutics/Pharmacokinetics	9
Formulation Factors/Dosage Form Design	3
Kinetics of Drug Degradation	3
Physical Forms of Common Dosage Forms	6
Parenteral Drug Delivery	11
Intravenous Bolus One Compartment Model	6
Nasal Drug Delivery	3
Intravenous Infusion Model	2
Exams	3
Total Hours	60

PHAR 524 DFP Form EF Course Information Form (formerly Form E and Form F)														
I. ACTI	ON TO BE	TAKEN:												
☑ CREATE, □ MODIFY, OR □ DELETE														
Des	ired Term	Effective	Date (6-d	ligit co	ode): 2018	308	8							
NOT	E: The first f	our digits	indicate ye	ar, the	e next two	dig	gits indica	te month i	n which te	rm begins	•			
II.COU	RSE IDENT	IFICATION			_				netics					
	Course Prefix, Course Number – Course Title													
	eleting a co			1.1. 11.										
	modificatio						nangea.							
IT Cr	eating a co	urse, con	ipiete <u>aii</u>	reiev	ant fields.									
		CURR	FNIT						D	ROPOSED	`			
Prefix	Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar		
		Hours	20000.0	150	00				Hours	10000.0	160	3 6a.		
							PHAR	524	4	4				
Title:		Т		ī				osage For			kineti			
Cred	dit Hours	Prereq	uisites		Co-		Credit Hours		Prerequisites		Co-requisites			
			requisites				4							
Cour	se/Catalog	Doscription	on /125 w	ords)			4 Course/Catalog Description (135 words)							
Cour	se/ Catalog	Description	JII (123 W	Jiusj			Course/Catalog Description (125 words) This course will cover the application of physicochemical properties to							
							pharma	eutical dosa	age forms a	nd drug del	ivery.	Formulation,		
							biopharmaceutical and pharmacokinetic principles of dosage forms used to deliver drugs oral, rectal, vaginal, intrauterine, ophthalmic, topical							
							and pulmonary routes will be discussed. The							
							manufacturing/compounding and quality attributes of each type of dosage form will also be covered. Pharmacokinetic principles and							
							_	models introduced in this course will be built on to include more						
							advanced principles and models.							
Cour	se Outcome	es and As	sessment	Plan			Course Outcomes and Assessment Plan							
							See be							
Cour	se Outline i	ncluding	Time Allo	catior	1		Course Outline including Time Allocation See below							
A. If not LEC/LAB/SEM, Check box as appropriate [So							l		1					
	-		песк рох	as app	propriate <i>[</i>	Se	e Definiti	ons in App	endix EJ:					
	Practicum													
	Independe	•												
	llege Code		^ D											
	epartment (edit Hours:		4Ν											
	Variable													
	Fixed													
	inimum Cre	dit Hour	· 1											
	aximum Cre													
	ours may be			tional	credit: No	0								
	No	. epeate			. J. Cuit. IV	-								
	☐ Yes – If yes, max times repeated: OR max credits awarded:													
	I. Levels:													
	□ Undergraduate													
	□ Undergraduate													

☐ Graduate

PH	HAR 524 DFP Form EF Course Information Forn	n (formerly Form E and Form F)	
	□ Professional		
ı.	Grade Method:		
	☐ Credit/No Credit		
J.	Does the proposed course replace an equivalent course	?	
	⊠ No		
	\square Yes – If yes, enter equivalent course:		
		Number – Course Title	
K.	Term(s) Offered: Spring		
L.	Max Section Enrollment:		
	Lecture: 160		
	Lab:		
To	o be completed by Academic Affairs Office: Standards & Meas	ures Coding and General Education Code	
	🛮 Basic Skill (BS), 🗆 General Education, 🗆 Occupational Educ	ation, Gen Ed. Codes:	
	CC Chair Character of Brate	And with Affician Annual City and the Control	
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:	
	OFFICE OF THE REGISTRAR USE ONLY		
_	ate Rec'd: Date Completed:		
	ntered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ		

Course Outcomes and Assessment Plan (proposed):

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Evaluate the potential risk for drugs to interact and determine the pharmacokinetic mechanism for a given drug interaction.	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decision-making.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz
Differentiate between linear and nonlinear pharmacokinetics and calculate non-linear, dose-dependent pharmacokinetic parameters.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz, Calculation
Select the appropriate pharmacokinetic model and calculate pharmacokinetics parameters for a given drug and route of administration	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz, Calculation
Describe how first pass effect, route of administration and physical form of the dosage form influence how much drug may reach the systemic circulation.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz, Calculation
Describe how the physicochemical properties of the drug influence drug release from a dosage form and absorption.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz
Describe manufacturing methods of non- sterile and sterile products.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz

PHAR 524 DFP Form EF Course Information Form (formerly Form E and Form F)

Describe optimal storage of commercial dosage forms.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz
Describe unique administration issues associated with different types of dosage forms (extended release, transdermal, Do Not Crush, etc.)	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz
Interpret how pharmacokinetic parameters influence a drug's behavior in the body.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz
List common excipients and describe their potential issues in pharmaceutical dosage forms.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz
Select the best route of administration and dosage form combination for a given patient population.	1.1.6: Describe the physicochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case studies, Quiz

Course Outline including Time Allocation (proposed):

Express time allocation in one of the following formats for a 4 credit hour course; adjust accordingly: Weeks (15 weeks), Hours (60 hours, assuming 4 contact hours per week, Percentages (100 percent)

Торіс	Hrs
Oral Drug Delivery	20
Pharmacokinetics of Drug Elimination	3
Rectal Drug Delivery	1
Vaginal/Intrauterine Drug Delivery	1
Percutaneous Drug Delivery	3
Ophthalmic Drug Delivery	2
Pulmonary Drug Delivery	3
"Topical" Drug Delivery	1
Drug Delivery Devices	2
Emerging Drug Delivery Technologies	1
Plasma Protein Binding	2
Intravenous Bolus Multiple Dosing Model	3
Intravenous Bolus Multiple Intermittent IV Infusion	3
Extravascular Single Dose Model	3
Extravascular Multiple Dose Model	2
Nonlinear Pharmacokinetics	2
Intravenous-Bolus 2 Compartment Model	3
Pharmacokinetics of Drug Distribution	2
Exams	3
Total Hours	60

PHAR 531 OTC Form EF Course Information Form (formerly Form E and Form F)													
I. ACTI	ON TO BE	TAKEN:											
☐ CREATE, ☐ MODIFY, OR ☐ DELETE													
MODITION DELETE													
Des	ired Term	Effective	Date (6-c	ligit c	nda): 2018	เกร							
	E: The first f						ite month i	in which te	rm heains				
NOT	L. THE JUSE J	our aigits	mulcute ye	ui, iii	e next two	aigits iliaice	ite illolltill	II WIIICII LE	iiii begiiis	•			
וו כטוו	RSE IDENT	IFICATION	N. DHAR I	31 O	ver-the-Co	nunter Pha	rmacothe	ranv					
11.000	NSL IDLINI	II ICATIOI				mber – Cou		пару					
If do	leting a co	urca STO		riejix,	, Course Iva	ilibel – Cou	ise iilie						
	modification			ıda +k	at will bo	changed							
		•				_							
II CI	eating a co	urse, com	ipiete <u>aii</u>	reiev	ant neius.								
		CLIDD	- LIT						DODOCE				
Duefin	Nivershau	CURR		اما	Camainan	Prefix	Niveralana		ROPOSEI		Camainan		
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar		
						PHAR	531	3	3				
Title:	1		ı	l			ver-the-C			herap	V		
Cred	dit Hours	Prereo	uisites		Co-		t Hours	Prereq			Co-requisites		
		'			quisites					·			
					-		3						
Cours	se/Catalog	Description	on <i>(125 w</i>	ords)		Course/Catalog Description (125 words)							
						This course will serve as an introduction to non-prescription medications,							
							dietary supplements, home testing and monitoring devices, and their use						
							in self-care and/or remedies to common illnesses. Students will begin to recognize differences in patient's clinical needs as well as how to						
						determine whether a patient is appropriate for self-care approaches. By							
											ist patients in		
6	0			DI							d to self-care.		
Cours	se Outcome	es and As	sessment	Plan			Outcome	es and Ass	essment	Pian			
Cour	o Outling i	مماييطنمم	Time Alle	cation	•	See below Course Outline including Time Allocation							
Cours	se Outline i	nciuding	Time Allo	Catioi	1	See below							
v 1t.	20+15C/1A	D/CENA C	hook how	26.20	oroprioto	i		andi., [].					
	not LEC/LA		HECK DOX	as app	oropriate į	зее рејини	ons in App	eriaix Ej:					
	Practicum												
	Independe	•											
	llege Code												
	partment (4R										
	edit Hours:												
	Variable												
\boxtimes	Fixed												
E. Mi	nimum Cre	edit Hours	s: 3										
F. Ma	aximum Cro	edit Hour	s: 3										
G. Ho	ours may be	e repeate	d for add	tiona	l credit: No	0							
\boxtimes	No												
	☐ Yes – If yes, max times repeated: OR max credits awarded:												
H. Le	•		•										
	☐ Undergraduate												
	□ Graduate												
	☐ Graduate ☐ Professional												
		ıuı											

PHAR 531 OTC Form EF Course Information Form (formerly Form E and Form F) I. Grade Method: ☐ Credit/No Credit J. Does the proposed course replace an equivalent course? \boxtimes No \square Yes – *If yes, enter equivalent course:* Course Prefix, Number - Course Title K. Term(s) Offered: Spring L. Max Section Enrollment: Lecture: 160 Lab: To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code ☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date:

Cource	Outcomes and	Accoccmont	Dian	Inronocod	١

Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ

OFFICE OF THE REGISTRAR USE ONLY
Date Rec'd:______ Date Completed:_

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Identify and describe the relevant etiology, pathophysiology, and clinical presentation associated with selected human diseases using appropriate scientific and medical terminology.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examinations- formative, Examination- summative
Identify the chemical and pharmacological class to which a medication belongs and outline and prioritize pharmacologic similarities and differences for inter- and intra-class medication selection as it pertains to a specific patient.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physico-chemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examinations- formative, Examination- summative
Identify and interpret appropriate laboratory parameters used to assess and monitor selected human disease and/or the efficacy and toxicity of a pharmacotherapeutic regimen.	1.1.4: Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.	1.1: Foundational Knowledge	Examinations- formative, Examination- summative
Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course, accounting for any specific patient factors.	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examinations- formative, Examination- summative
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examinations- formative, Examination- summative
Develop strategies for patient counseling regarding the necessary and relevant information that pertains to a	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and	3.6: Communication	Examinations- formative,

PHAR 531 OTC Form EF Course Information Form (formerly Form E and Form F)

patient's medications and/or health conditions using	written form commensurate with professional	Examination-
appropriate patient-friendly terminology.	practice setting.	summative

Course Outline including Time Allocation (current):

TOPIC	HOURS
Introduction, law related to over-the-counter and non-prescription products	2
GI-related medications/conditions	4
Medical devices	3
Smoking cessation	3
Pain and sports medicine	4
Insomnia, drowsiness, fatigue, and OTC drugs of abuse	2
Genital, anal, menstrual, and reproductive medications	3
Complimentary and integrative medicine	8
Otics and ophthalmics	2
Respiratory	2
Dermatologic	5
Clinical process case review	3
Exams	4
TOTAL	45

РΗΔ	R 587 PCI	1 Form	EF Cou	rse li	nformati	on Form	(form	erly Foi	rm F a	nd Fo	orm F)
	TION TO BE						(,			
	CREATE, □		/ OP □	DELE	TE						
						10					
	sired Term E		-	_	=		rta manth	in which to	rm boains		
	OTE: The first j	_	-			-			rm begins	•	
II.CO	OKSL IDLINI	IFICATIO			, Course Nu			I C Lab I			
If a	deleting a co	urse STO		i icjix,	, course iva	mber cod	ise iiiie				
	r modificati			lds th	at will he	changed					
	reating a co	_				changear					
	reating a co	CURR	•	reiev	arre ricias.				PROPOSE	.D	
Pref	ix Number	Contact	Lecture	Lab	Seminar	Prefix	Number	Contact	Lecture	Lab	Seminar
		Hours						Hours			
						PHAR	587	4	2	2	
Title	e:					Title: F	harmacy	Skills and	Patient C	are La	b 1
Cr	edit Hours	Prerec	uisites		Co-	Credi	t Hours	Prereq	uisites		Co-requisites
				red	quisites						
							3				
Cou	irse/Catalog	Description	on <i>(125 w</i>	ords)				Description			
							•				develop foundational
											st. Students will be Iculations, and basic
											ent Care Process, with
											of the process, will take
											acy practice and will
Col	ırse Outcom	oc and Ac	caccmant	Dlan				of the top 20 es and Ass			ications.
COL	ii se Outcom	es and As	36331116111	riaii		See be		23 and A33	Cooment	riaii	
Coi	rse Outline	including	Time Allo	catio	า			ncluding 1	ime Allo	ration	
	inse outiline	meraamg	711116 71110	catioi		See be		neraanig i	11110711101	cation	
A. I	f not LEC/LA	B/SEM. C	heck box	as apı	oropriate /			endix Fl:			
	☐ Practicum										
	□ Independ										
	College Code	•									
	_		A D								
	Department Credit Hours		4K								
		•									
	□ Variable										
	⊠ Fixed	_									
	Minimum Cr										
F. 1	Maximum Cr	edit Hour	s: 3								
G. F	lours may b	e repeate	d for addi	tiona	l credit: No)					
	⊠ No										
[☐ Yes – If ye	s, max tin	nes repea	ted:	OR max cr	edits awar	ded:				
H. L	evels:										
[☐ Undergra	duate									
	☐ Graduate										
	□ Gradate □ Professior □ Professior	nal									
	Grade Metho										
	Standard		ding								
Ŀ	_ Jtanuaru	LCLLCI OIC	iville								

 \square Credit/No Credit

PHAR 587 PCL1 Form EF Course Information Form (formerly Form E and Form F)

	Does the proposed course replace an equivalent co	uise:	
\triangleright	⊠ No		
	\square Yes – If yes, enter equivalent course:		
к. т	Ferm(s) Offered: Fall		
L. N	Max Section Enrollment:		
L	ecture:		
L	ab: 36		
To b	pe completed by Academic Affairs Office: Standards & N	Measures Coding and General Education Code	
□в	Basic Skill (BS), 🗌 General Education, 🗌 Occupational I	Education, Gen Ed. Codes:	
	Chair Signature & Date:	Academic Affairs Approval Signature & Date:	
	Chair Signature & Date:		
UCC (Chair Signature & Date:		

Course Outcomes and Assessment Plan (proposed):

Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ

		ACPE Educational	
Course Outcome	Programmatic Ability-Based Outcome	Standard	Means of Assessment
Calculate dosages, drug			
regimens, and other	1.1.5: Apply the mathematical skills required to accurately dose		
calculations necessary for	therapeutic drug regimens and determine dosage preparations		Examination - formative,
contemporary pharmacy	(including extemporaneously compounded dosage forms) that are	1.1: Foundational	Examination - summative,
practice.	therapeutically sound and safe for patient use.	Knowledge	Calculation
Prepare and dispense			
medications and non-sterile	1.1.7: Prepare sterile and non-sterile prescriptions that are		
compounds accurately and	pharmaceutically accurate regarding drug product and dose, free from	1.1: Foundational	In class exercises and/or
safely	contamination, and appropriately formulated for patient use.	Knowledge	OSCE
Interpret basic federal and state	1.1.8: Apply the federal and appropriate state-specific statutes that		Examinations-formative,
rules and regulations that	regulate the practice of pharmacy, along with relevant civil and contract	1.1: Foundational	Examinations-summative,
influence pharmacy practice.	law.	Knowledge	OSCE-summative
Describe practical			
characteristics of common			
medications relevant to	1.1.11: Analyze the medical evidence related to prescription drugs, non-	1.1: Foundational	Examinations-formative,
outpatient pharmacy practice	prescription drugs, and alternative therapies.	Knowledge	Examinations-summative
Obtain relevant objective and			
subjective information about a		2.1: Patient-Centered	
patient using basic physical	2.1.1: Collect subjective and objective evidence (including	Care (Includes 3.3	
assessment and other	socioeconomic, cultural) related to patient, medications,	Patient Advocacy	Simulation, OSCE-
appropriate testing/monitoring	allergies/adverse reactions, and disease.	where relevant)	summative
		2.1: Patient-Centered	
Document elements of a		Care (Includes 3.3	Written assignment,
patient encounter in a health		Patient Advocacy	Simulation, OSCE -
record	2.1.7: Document patient care related activities.	where relevant)	summative
Describe the roles and	2.2.1: Competently perform in all areas of a typical medication use		
responsibilities of pharmacists	systems (i.e., procurement, storage, prescribing, transcription,		
in community and ambulatory	dispensing, administration, monitoring, documentation, transitions of	2.2: Medication	Examinations-formative,
care pharmacy settings.	care and emergency preparedness).	System Use	Examinations-summative
	· · · · · · · · · · · · · · · · · · ·	System osc	ZAGIIIII GEORGE SGIIII GEORGE
Prepare and dispense	2.2.1: Competently perform in all areas of a typical medication use		
medications and non-sterile	systems (i.e., procurement, storage, prescribing, transcription,	2.2. Mardination	Since leaving OSSS
compounds accurately and	dispensing, administration, monitoring, documentation, transitions of	2.2: Medication	Simulation, OSCE-
safely	care and emergency preparedness).	System Use	summative
Identify and effectively use			
pharmacy-related drug		2.2: Medication	Simulation, OSCE-
information resources	2.2.2: Utilize informatics to optimize the medication use system.	System Use	summative

PHAR 587 PCL1 Form EF Course Information Form (formerly Form E and Form F)

Constructively evaluate written and/or oral communication of a peer	3.2.6: Deliver and obtain feedback to assess learning and promote goal setting and goal attainment for the intended audience.	3.2: Education	Simulation
Obtain appropriate information from a patient relevant to a medical encounter	3.5.1: Interview patients using an organized structure, specific questioning techniques (e.g., motivational interviewing), and medical terminology adapted for the audience.	3.6: Communication	Simulation, OSCE- summative
Demonstrate effective	3.5.2: Actively listen and ask appropriate open and closed-ended questions to gather information.	3.6: Communication	Simulation, OSCE- summative
counseling techniques to a variety of patient populations	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Simulation, OSCE- summative
Construct a verbal and/or written recommendation to a health care professional	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Written assignment, Simulation, OSCE - summative
Develop a personal development plan associated with learning styles, personality types, and conflict management strategies	4.1.2: Identify, create, implement, evaluate and modify plans for personal and professional development for the purpose of individual growth.	4.1: Self-Awareness	Reflection
Display professionalism at all times	4.4.1: Demonstrate compassion, empathy, altruism, integrity, trustworthiness, flexibility, and respect.	4.4: Professionalism	Direct observations, OSCE- summative

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
1	Collect information to identify a patient's medication related problems and health-related needs.	Direct Supervision (Simulation)
	Establish patient-centered goals and create a care plan for a patient in collaboration with the	Direct Supervision (Simulation)
3	patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	
7	Identify patients at risk for prevalent diseases in a population.	Direct Supervision (Simulation)
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision (Simulation)
14	Fulfill a medication order.	Direct Supervision (Simulation)

Course Outline including Time Allocation:

Express time allocation in one of the following formats for a 3 credit hour course; adjust accordingly: Weeks (15 weeks), Hours (45 hours, assuming 3 contact hours per week, Percentages (100 percent) <u>Table below will be simplified in final drafting of the Form E for submission; more expansive detail exists here for internal discussion of laboratory content.</u>

uetun ez	asis here for internal discussion of laboratory	r content.	
Week	Lecture 1 (1 hour)	Lab (2 hours)	Lecture 2 (1 hour)
	Intro - Communication in Pharmacy/Personality		
1	Styles	Communication Intro Lab - Personality	Conflict Management and learning styles
2	Labor Day	Conflict and Learning Styles Lab	StrengthsFinder
	What do RPh do in the community (integrate		
3	with HCUS community pharmacy topics?)	Drug Info Lab 1	Calc lecture 1
		Drug Info Lab 2 (Pharmacy Day at the Capitol -	
4	Calc lecture 2	Arrangements PRN)	Calc lecture 3
5	Nonsterile compounding lecture 1/top 50 drugs	Prescription processing/Nonsterile compounding 1	Calc lecture 4
6	Nonsterile compounding lecture 2/top 50 drugs	Nonsterile compounding 2	Calc lecture 5
7	Nonsterile compounding lecture 3/top 50 drugs	Nonsterile compounding 3	Calc Lecture 6
8	Nonsterile compounding lecture 4/top 50 drugs	Nonsterile compounding 4	Calc Exam 1
9	Patient care process/health histories	Health history lab	Calc Lecture 7
10	Medication histories	Med history lab	Calc Lecture 8
			Clinical recommendations/communicating with
11	Physical assessment basics (BP, pulse, RR)	Health/med history + physical assessment basics	other HCP (intro to interprofessionalism)
		Documentation lab/written	
12	SOAP notes, clinical documentation	recommendations/MTM forms-process	Calc Lecture 9
			Community pharmacy law - noncontrolled
13	Patient counseling/OBRA '90 general	OBRA '90 counseling lab 1	substances
			Community pharmacy law - controlled
14	Patient counseling/sensitive topics	OBRA '90 counseling lab 2	substances
15	Motivational interviewing	OSCE - nonsterile compounding + communication	Motivational interviewing active learning cases
Finals	Calc final (exam 2)/general lab final/including ched	cking prescriptions electronically	

PHAR	.588 PCL	.2 Form	EF Cou	rse Ii	nformati	on Form	\cdot (torm ϵ	erly Foi	rm E ai	nd F	orm F)
I. ACTI	ON TO BE	TAKEN:									
\boxtimes (REATE, 🗆	MODIFY	/. OR □	DELE	TE						
_ `	,,,_,,		, .		-						
Desi	ired Term	Effective	Date (6-d	ligit c	nda): 2018	ens.					
	E: The first f			_			ate month i	in which te	rm heains		
NOT	L. THE JHSE J	our aigits i	mulcute ye	cui, tii	e next two t	aigits iliuict	ite month	II WIIICII LE	iiii begiiis	•	
וו כטווו	RSE IDENT	IEICATION	M. DHVB :	SQQ DI	harmacy S	kills and D	ationt Car	ra Lah 2			
11.000	NJL IDLINI	II ICATIOI			, Course Nu			C Lab 2			
If do	leting a co	urco STO		riejix,	, Course Iva	ilibel – cou	ise iille				
	nodification			ılde +k	at will be	changed					
	eating a co	•				changeu.					
11 (16	eating a co	urse, com	ipiete <u>aii</u>	<u>l elev</u>	ant neius.						
		CURR	ENT						PROPOSE	<u> </u>	
Prefix	Number	Contact	Lecture	Lab	Seminar	Prefix	Number	Contact	Lecture	Lab	Seminar
FIELIX	Number	Hours	Lecture	Lab	Seminar	FIEIIX	Number	Hours	Lecture	Lau	Seminar
						PHAR	588	3	1	2	
Title:	-	l .	l		·	Title: P	harmacy	Skills and	Patient C	are La	ab 2
Cred	lit Hours	Prereq	uisites		Co-	Credi	t Hours	Prereq	uisites		Co-requisites
				red	quisites						•
							2				
Cours	e/Catalog	Description	on <i>(125 w</i>	ords)		Course	/Catalog	Descriptio	n <i>(125 wc</i>	ords)	
											o develop foundational
											ist. Students will be
											ations, and basic physical Process, with emphasis
											cess, will take place. The
											tice and will involve
Cours	o Outcom	os and Ass	coccmont	Dlan			on of the top	•			S.
Cours	e Outcome	es and As	sessineiii	Pidii		See be	Outcome	es and Ass	essinent	Pidii	
Courc	e Outline i	ncluding	Timo Allo	cation	2		Outline i	ncluding T	ima Alla	cation	
Cours	e Outilile i	nciuumg	Time And	catioi	l	See be		ilciuuliig i	ime Allo	Lation	
Λ If n	not LEC/LA	B/SEM CI	hack hav	26 201	oropriato (andiv El·			
			HECK DOX	as ap	oropriate [see Dejiiiili	υτις τη Αμμ	enuix Ej.			
	Practicum										
	Independe	•									
	llege Code										
	partment (4R								
	edit Hours:										
	Variable										
	Fixed										
E. Mi	nimum Cre	edit Hours	s: 2								
F. Ma	aximum Cro	edit Hour	s: 2								
G. Ho	urs may be	e repeate	d for add	itiona	l credit: No)					
\boxtimes	No										
	Yes – If ye	s, max tin	nes repea	ted:	OR max cr	edits awar	ded:				
H. Lev	vels:		-								
	Undergrad	duate									
	Graduate										
	Profession	nal									
		· - · •									

PHAR 588 PCL2 Form EF Course Information Form (formerly Form E and Form F) I. Grade Method: ☐ Credit/No Credit J. Does the proposed course replace an equivalent course? \boxtimes No \square Yes – *If yes, enter equivalent course:* Course Prefix, Number - Course Title K. Term(s) Offered: Spring L. Max Section Enrollment: Lecture: Lab: 36 To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code ☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date:

Course Outcomes and Assessment Plan (proposed):

Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ

OFFICE OF THE REGISTRAR USE ONLY
Date Rec'd:______ Date Completed:___

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Calculate dosages, drug regimens, and other calculations necessary for contemporary pharmacy practice.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination- formative, Examination- summative, Calculation
Prepare and dispense medications and non-sterile compounds accurately and safely	1.1.7: Prepare sterile and non-sterile prescriptions that are pharmaceutically accurate regarding drug product and dose, free from contamination, and appropriately formulated for patient use.	1.1: Foundational Knowledge	Simulation, OSCE- summative
	2.2.1: Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2: Medication System Use	Simulation, OSCE- summative
Interpret basic federal and state rules and regulations that influence pharmacy practice.	1.1.8: Apply the federal and appropriate state-specific statutes that regulate the practice of pharmacy, along with relevant civil and contract law.	1.1: Foundational Knowledge	Examinations- formative, Examinations- summative, OSCE- summative
Describe practical characteristics of common medications relevant to outpatient pharmacy practice	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examination- formative, Examination- summative
Obtain relevant objective and subjective information about a patient using basic physical assessment and other appropriate testing/monitoring	2.1.1: Collect subjective and objective evidence (including socioeconomic, cultural) related to patient, medications, allergies/adverse reactions, and disease.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Simulation, OSCE- summative
Document elements of a patient encounter in a health record	2.1.7: Document patient care related activities.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Written assignment, Simulation, OSCE - summative

PHAR 588 PCL2 Form EF Course Information Form (formerly Form E and Form F)

	,		,
Describe the roles and responsibilities of pharmacists in community and ambulatory care pharmacy settings.	2.2.1: Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2: Medication System Use	Examination- formative, Examination- summative
Identify and effectively use pharmacy-related drug information resources	2.2.2: Utilize informatics to optimize the medication use system.	2.2: Medication System Use	Simulation, OSCE- summative
Identify and effectively use pharmacy-related technology resources	2.2.3: Utilize human, financial, and physical resources to optimize the medication use system. 3.5.3: Use available technology and other media to effectively	2.2: Medication System Use 3.6: Communication	Simulation, OSCE- summative Simulation, OSCE-
	communicate and document.	3.0. Communication	summative
Describe procedures for identifying, preventing and evaluating medication related problems and medication errors.	2.2.4: Apply standards, guidelines, best practices, and established processes related to safe and effective medication use in different pharmacy practice settings.	2.2: Medication System Use	Examination- formative, Examination- summative
Develop a presentation to effectively communicate drug and/or device information to the appropriate audience	3.2.2: Develop or select the most effective techniques/strategies to achieve learning objectives.	3.2: Education	Presentation
Constructively evaluate written and/or oral communication of a peer	3.2.6: Deliver and obtain feedback to assess learning and promote goal setting and goal attainment for the intended audience.	3.2: Education	Simulation
Obtain appropriate information from a patient relevant to a medical encounter	3.5.1: Interview patients using an organized structure, specific questioning techniques (e.g., motivational interviewing), and medical terminology adapted for the audience.	3.6: Communication	Simulation, OSCE- summative
	3.5.2: Actively listen and ask appropriate open and closed-ended questions to gather information.	3.6: Communication	Simulation, OSCE- summative
	3.5.4: Use effective interpersonal skills to establish rapport and build trusting relationships.	3.6: Communication	Simulation, OSCE- summative
Demonstrate effective counseling techniques to a variety of patient populations	3.5.2: Actively listen and ask appropriate open and closed-ended questions to gather information.	3.6: Communication	Simulation, OSCE- summative
	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Simulation, OSCE- summative
Construct a verbal and/or written recommendation to a health care professional	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Written assignment, Simulation, OSCE - summative
Display professionalism at all times	4.4.1: Demonstrate compassion, empathy, altruism, integrity, trustworthiness, flexibility, and respect.	4.4: Professionalism	Direct observations, OSCE-summative

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
1	Collect information to identify a patient's medication related problems and health-related needs.	Direct Supervision (Simulation)
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Direct Supervision (Simulation)
7	Identify patients at risk for prevalent diseases in a population.	Direct Supervision (Simulation)
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision (Simulation)
14	Fulfill a medication order.	Direct Supervision (Simulation)

Course Outline including Time Allocation (proposed):

Express time allocation in one of the following formats for a 3 credit hour course; adjust accordingly: Weeks (15 weeks), Hours (45 hours, assuming 3 contact hours per week, Percentages (100 percent) <u>Table below will be simplified in final drafting of the Form E for submission; more expansive detail exists here for internal discussion of laboratory content.</u>

PHAR 588 PCL2 Form EF Course Information Form (formerly Form E and Form F)

Week	Lecture (1 hour)	Lab (2 hours)
1	Professional presentations/learning objectives/citing sources - OTC presentation	Citations, learning objectives, presentation drafting/drug information
2	Physical assessment part 2: height/weight/glucose, review BP/HR/RR (online Ted talk length review prework video - given MLK day)	Physical assessment lab
3	EBM 101/drug lit (top 200 cont.)	OTC presentations
4	What do hospital RPh do (top 200 cont.)	Intro to sterile compounding (no hood required)
5	USP797-Environmental Controls (top 200 cont.)	Sterile compounding in hood
6	USP797- Regulatory considerations (top 200 cont.)	Sterile compounding in hood
7	IV calculation review (former calc lecture 10) (top 200 cont.)	Sterile compounding
8	Diluent compatibility (top 200 cont.)	Sterile compounding
9	Hazardous Medication USP800 (top 200 cont.)	Biological safety cabinet, Closed transfer devices
10	P&T process (top 200 cont.)	Mock P&T (assume aligning this week with Easter break)
11	Nutrition (former calc lecture 11) (top 200 cont.)	Sterile compounding
12	Health System Technology (top 200 cont.)	Med rec lab
13	Intro to Medical Record (top 200 cont.)	Paper chart navigation
14	Med safety - Mary Burkhardt (ensure coordination with pharm ad coursework)	Lab practical
15	Med safety active learning cases/Medwatch/VAERS	OSCE
Finals	Lab written final exam	

PHAR 593 CIPPE Form EF Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: □ CREATE, □ MODIFY, OR □ DELETE Desired Term Effective Date (6-digit code): 201808 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 593 Medication Distribution Community IPPE Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Lab Seminar Prefix Number Contact Lecture Seminar Hours Hours PHAR 593 40 Title: Medication Distribution Community IPPE Title: **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Co-requisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) The Medication Distribution Community Introductory Pharmacy Practice Experience course is designed to integrate skills learned in the classroom with foundational medication use process functions of a community pharmacist. This includes dispensing, interpersonal communication, calculations and application of non-prescription medicines and self-care. Students will begin to apply standards, guidelines, best practices, and established processes for safe and effective medication use in the community setting. It is expected that this introductory course will begin to prepare the student with the foundational elements necessary to practice patient-centered pharmacy care in the community setting. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan See Below Course Outline including Time Allocation Course Outline including Time Allocation See Below A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: □ Practicum ☐ Independent Study B. College Code: PH C. Department Code: PHAR D. Credit Hours: ☐ Variable □ Fixed E. Minimum Credit Hours: 2 Maximum Credit Hours: 2 G. Hours may be repeated for additional credit: No \boxtimes No ☐ Yes – If yes, max times repeated: **OR** max credits awarded: H. Levels: ☐ Undergraduate ☐ Graduate □ Professional

Grade Method:

PHAR 593 CIPPE Form EF Course Information For	m (formerly Form E and Form F)
☐ Standard Letter Grading	
☑ Credit/No Credit	
J. Does the proposed course replace an equivalent course	?
⊠ No	
\square Yes – If yes, enter equivalent course:	
Course Prefix,	Number – Course Title
K. Term(s) Offered: Fall, Spring, Summer	
L. Max Section Enrollment:	
Lecture: 160	
Lab:	
To be completed by Academic Affairs Office: Standards & Meas	=
☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education	ation, Gen Ed. Codes:
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR USE ONLY	
Date Rec'd: Date Completed:	
Entered: SCACRSE, SCADETL, SCARRES, SCAPREQ	

Course Outcomes and Assessment Plan

Course Outcomes	Drogrammatic Ability Pasad Outcomes	ACPE Educational Standards	Means of Assessment
	Programmatic Ability-Based Outcomes	Standards	Assessment
Competently perform in all areas of a typical medication use	2.2.1: Competently perform in all areas of a typical		
systems (i.e., procurement, storage, prescribing,	medication use systems (i.e., procurement, storage,		
transcription, dispensing, administration, monitoring,	prescribing, transcription, dispensing, administration,		
documentation, transitions of care and emergency	monitoring, documentation, transitions of care and	2.2: Medication	Rubric; Direct
preparedness).	emergency preparedness).	System Use	Observation
	2.2.2: Utilize informatics to optimize the medication use	2.2: Medication	Rubric; Direct
Utilize informatics to optimize the medication use system.	system.	System Use	Observation
Apply standards, guidelines, best practices, and established	2.2.4: Apply standards, guidelines, best practices, and		
processes related to safe and effective medication use in	established processes related to safe and effective	2.2: Medication	Rubric; Direct
different pharmacy practice settings.	medication use in different pharmacy practice settings.	System Use	Observation
Utilize continuous quality improvement techniques in the	2.2.5: Utilize continuous quality improvement techniques in	2.2: Medication	Rubric; Direct
medication use process.	the medication use process.	System Use	Observation
	4.1.1: Self-assess understanding and abilities and engage in		
Self-assess understanding and abilities and engage in help	help seeking behaviors and adapt learning strategies	4.1: Self-	Rubric; Direct
seeking behaviors and adapt learning strategies accordingly.	accordingly.	Awareness	Observation
Demonstrate engagement, confidence, self-direction,	4.1.3: Demonstrate engagement, confidence, self-direction,		
ownership, flexibility, and accountability in all learning and	ownership, flexibility, and accountability in all learning and	4.1: Self-	Rubric; Direct
professional situations.	professional situations.	Awareness	Observation
Demonstrate compassion, empathy, altruism, integrity,	4.4.1: Demonstrate compassion, empathy, altruism, integrity,	4.4:	Rubric; Direct
trustworthiness, flexibility, and respect.	trustworthiness, flexibility, and respect.	Professionalism	Observation
Deliver patient-centered care in a manner that is legal,	4.4.2: Deliver patient-centered care in a manner that is legal,	4.4:	Rubric; Direct
ethical, and compassionate.	ethical, and compassionate.	Professionalism	Observation

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
13	Oversee the pharmacy operations for an assigned work shift.	Direct Supervision
14	Fulfill a medication order.	Direct Supervision

Course Outline:

Торіс	Time (Hrs)
Experiential rotation placement (40 hours per week)	120

PHAR 619 INTPHTH1 Form EF Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: □ CREATE, □ MODIFY, OR □ DELETE Desired Term Effective Date (6-digit code): 201908 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 619 Integrated Pharmacotherapy 1 Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Lab Seminar Prefix Number Contact Lecture Seminar Hours Hours PHAR 619 5 3 2 Title: Title: Integrated Pharmacotherapy 1 **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Co-requisites requisites **PHAR 520** Course/Catalog Description (125 words) Course/Catalog Description (125 words) This course will consist of extensive discussion of the pathophysiology, pharmacology, medicinal chemistry, and therapeutics associated with commonly encountered disease states so that students can design and manage drug-related care plans for patients with those disease states. Emphasis will be placed on development of a clinical understanding of the disease process, the role of pharmacological intervention in the patient-specific and/or population-based disease management plan and the development of an appropriate therapeutic regimen. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan See below Course Outline including Time Allocation Course Outline including Time Allocation See below A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: PH C. Department Code: PHAR D. Credit Hours: ☐ Variable E. Minimum Credit Hours: 4 F. Maximum Credit Hours: 4 G. Hours may be repeated for additional credit: No ☐ Yes – If yes, max times repeated: **OR** max credits awarded: H. Levels: ☐ Undergraduate ☐ Graduate □ Professional Grade Method:

Pŀ	IAR 619 INTPHTH1 Form EF Course Information Form (formerly Form E and Form F)
	☐ Credit/No Credit
J.	Does the proposed course replace an equivalent course?
	⊠ No
	☐ Yes – If yes, enter equivalent course:
	Course Prefix, Number – Course Title
Κ.	Term(s) Offered: Fall
L.	Max Section Enrollment:
	Lecture: 160
	Lab:
T	be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code
	Basic Skill (BS), General Education, Coccupational Education, Gen Ed. Codes:
UC	C Chair Signature & Date: Academic Affairs Approval Signature & Date:
	
	FFICE OF THE REGISTRAR USE ONLY
	ate Rec'd: Date Completed: ntered:
L	ILCICU. L. JUNCHIJE, L. JUNCHINES, L. JUNCHINEU

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Describe and apply appropriate pharmacokinetic principles and parameters in the design of a pharmacotherapeutic regimen.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case Studies (periodic)
Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course, accounting	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
for any specific patient factors.	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Effectively counsel a patient regarding the necessary and relevant information that pertains to a patient's medications and/or health conditions using appropriate patient-friendly terminology.	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Presentation, Simulation, OSCEs- formative, OSCEs-summative (periodic)
Identify and describe the relevant etiology, pathophysiology, and clinical presentation associated with selected human diseases using appropriate scientific and medical terminology.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Identify and interpret appropriate laboratory parameters used to assess and monitor selected human disease and/or the efficacy and toxicity of a pharmacotherapeutic regimen.	1.1.4: Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)

PHAR 619 INTPHTH1 Form EF Course Information Form (formerly Form E and Form F)

Identify the chemical and pharmacological class to which a medication belongs and outline and prioritize pharmacologic similarities and differences for inter- and intra-class medication selection as it pertains to a specific patient.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physiochemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Predict, prevent or eliminate drug-drug interactions, drug-food interactions, drug interactions/implications with complementary and integrative medicine, and drug side effects and toxicities by applying knowledge of	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decisionmaking.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
pharmacology, pharmacokinetics and structural properties.	3.1.1: Identify and define the relevant problems.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.2: Define goals and alternative goals.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.3: Explore multiple solutions by organizing, prioritizing, and defending each possible solution.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
2	Analyze information to determine the effects of medication therapy, identify medication-related	Direct Supervision (Simulation)
	problems, and prioritize health-related needs (including immunizations).	
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the	Direct Supervision (Simulation)
	patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	
4	Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Direct Supervision (Simulation)
5	Follow-up and monitor a care plan.	Direct Supervision (Simulation)
7	Identify patients at risk for prevalent diseases in a population.	Direct Supervision (Simulation)
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision (Simulation)
12	Use evidence-based information to advance patient care.	Direct Supervision (Simulation)

Course Outline including Time Allocation (proposed):

TOPIC	LECTURE	LAB
Cardiovascular pathophysiology	2	
Cardiovascular drug action	22	2
Intro to lab, review SOAP, patient counseling, motivational interviewing, other basic communication concepts		2
Introduction to the electronic health record		4
BP, HR, RR, edema		2
Pathophysiology and pharmacotherapy of hypertension	3	4
Pathophysiology and pharmacotherapy of hyperlipidemia	1	2
Heart/lung sounds, EKGs		2
POCT - cholestech/INR		2
Pathophysiology of ACS, stroke, arrhythmias and heart failure	2	2
Skill review, OSCE, case studies, landmark literature	3	4
Exams	9	
Open (2 labs due to Labor Day)	3	4
TOTAL	45	30

PHAR	620 INT	PHTH2	Form El	F Cou	urse Info	ori	mation Fo	orm (tor	merly	Form	Ł an	id Form F)
I. ACTI	ON TO BE	TAKEN:										
\boxtimes (CREATE, 🗆	MODIF	/, OR □	DELE	TE							
Des	sired Term	Effective	Date (6-	digit o	ode): 20	190	08					
			=	_	=		igits indicate	month in v	vhich term	begins.		
II.COU	RSE IDENT	IFICATIO	N: PHAR	6 20 In	tegrated	Pł	narmacothe	rapy 2				
			Course	Prefix	, Course N	um	nber – Course	Title				
If de	leting a co	urse STO	P HERE.									
For	modificatio	on, compl	ete all fie	elds tl	nat will be	ес	hanged.					
If cr	eating a co	urse, con	nplete <u>all</u>	relev	ant fields	.						
		CURRI	ENT							PROPOS	SED	
Prefix	Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar
		Hours					PHAR	620	Hours 5	3	2	
Title:							Title: Integ		-			
	lit Hours	Prereq	uisites		Co-		Credit I		Prereq			Co-requisites
Cicc	aic riours	ттегеч	uisites		uisites		Credit	10013	110109	aisites		co requisites
					uisites		4		PHAR	R 520		
Cours	se/Catalog	Description	on <i>(125 w</i>	ords)			Course/Ca	italog Des			;)	
	,	<u>'</u>										pathophysiology, pharmacology,
								•				h commonly encountered disease
												related care plans for patients n development of a clinical
												rmacological intervention in the
							patient-spec	ific and/or p	opulation-l	oased disea	ise mai	nagement plan and the
							developmen					
Cours	se Outcome	es and As	sessment	Plan			Course Ou		nd Assess	ment Pla	n	
Carre	O tlina i	ا مانامانام	Time a Alla	+:	_		See below		dia a Tias	- All+		
Cours	se Outline i	ncluaing	rime Alic	catio	1		Course Ou See below		ading rim	e Allocati	on	
Λ If r	oot LEC/LAI	B/SEM C	hack hav	26 2n	nronriato	[C	ee Definitions		div El·			
	Practicum	b/ SLIVI, CI	HECK DOX	as ap	propriate	Į	ee Dejiiiitions	з III Арренс	IIX EJ.			
	Independe	•										
	llege Code		4 D									
	partment (4K									
	edit Hours:											
	Variable											
	Fixed											
	nimum Cre											
	aximum Cro											
	ours may be	e repeate	d for add	itiona	l credit: N	Ю						
\boxtimes	No											
	Yes – If ye	s, max tin	nes repea	ated:	OR max c	re	dits awarde	d:				
H. Le	vels:											
	Undergrad	duate										
	Graduate											
\boxtimes	Profession	ial										
. Gr	ade Metho	d:										
\boxtimes	Standard I	etter Gra	nding									
	Credit/No		-									

PHAR 620 INTPHTH2 Form EF Course Information Form (formerly Form E and Form F)

J. Does the proposed course replace an e	equivalent course?
⊠ No	
\square Yes – If yes, enter equivalent course	<u>:</u>
K. Term(s) Offered: Fall	
L. Max Section Enrollment:	
Lecture: 160	
Lab:	
To be completed by Academic Affairs Office:	Standards & Measures Coding and General Education Code
☐ Basic Skill (BS), ☐ General Education, ☐ (Occupational Education, Gen Ed. Codes:
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR USE ONLY	
Date Rec'd: Date Completed:_	
Entered: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES	C T SCAPPEO

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Describe and apply appropriate pharmacokinetic principles and parameters in the design of a pharmacotherapeutic regimen.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case Studies (periodic)
Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course, accounting	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
for any specific patient factors.	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Effectively counsel a patient regarding the necessary and relevant information that pertains to a patient's medications and/or health conditions using appropriate patient-friendly terminology.	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Presentation, Simulation, OSCEs- formative, OSCEs-summative (periodic)
Identify and describe the relevant etiology, pathophysiology, and clinical presentation associated with selected human diseases using appropriate scientific and medical terminology.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Identify and interpret appropriate laboratory parameters used to assess and monitor selected human disease and/or the efficacy and toxicity of a pharmacotherapeutic regimen.	1.1.4: Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)

PHAR 620 INTPHTH2 Form EF Course Information Form (formerly Form E and Form F)

Identify the chemical and pharmacological class to which a medication belongs and outline and prioritize pharmacologic similarities and differences for inter- and intra-class medication selection as it pertains to a specific patient.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physiochemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Predict, prevent or eliminate drug-drug interactions, drug-food interactions, drug interactions/implications with complementary and integrative medicine, and drug side effects and toxicities by applying knowledge of	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decisionmaking.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
pharmacology, pharmacokinetics and structural properties.	3.1.1: Identify and define the relevant problems.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.2: Define goals and alternative goals.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.3: Explore multiple solutions by organizing, prioritizing, and defending each possible solution.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
2	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations).	Direct Supervision (Simulation)
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Direct Supervision (Simulation)
4	Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Direct Supervision (Simulation)
5	Follow-up and monitor a care plan.	Direct Supervision (Simulation)
7	Identify patients at risk for prevalent diseases in a population.	Direct Supervision (Simulation)
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision (Simulation)
12	Use evidence-based information to advance patient care.	Direct Supervision (Simulation)

Course Outline including Time Allocation (proposed):

TOPIC	LECTURE	LAB
Cardiovascular drug action	8	
Stress tests, caths, stents, echos, CABGs		2
EKG, AICDs, pacemakers, ACLS background		2
BLS review, FAST Stroke assessment		2
ACS/angina and Stroke therapeutics	2	2
Congestive Heart Failure therapeutics	2	2
IPE comp		2
Atrial fibrillation therapeutics	2	2
Pathophysiology of venous thromboembolism	2	
DVT/PE therapeutics	2	2
Pathophysiology of respiratory diseases (including pulmonary hypertension)	4	
Inhalers, peak flow, nebulizers, spacers		2
Respiratory drug action	7	
Smoking cessation		2
Oxygen delivery, Bipap, obstructive sleep apnea; steroid tapering		2
Heart/lung/EKG		2
Pulmonary hypertension	1	
Skill review, OSCE, case studies, landmark literature	3	6
Exams	9	
Open	3	
TOTAL	45	30

PH	AR 6	21 INT	PHTH3 I	Form El	- Cou	ırse Info	orr	nation	Form (f	ormerl	y Forn	n E a	ind Form F)
		N TO BE							•		•		,
			MODIFY	′ OR □	DELE	TF							
			Effective				٥٨٥	9					
				-	•	-			rta manth	in which to	rm boains		
			_	-			_		therapy 3	in which te	rm begins	•	
II.C	JUKS	EIDENI	IFICATION			Course No							
15	dalat	ling a co	urse STO		РГЕЈІХ,	Course ivi	um	uer – cou	ise iilie				
		•			ماه ماما،	مط الليب عم							
			on, compl					iangeu.					
IT	creat	ing a co	urse, com	•	reiev	ant fields	•	1			DDODO	CED	
Dro	efix	Number	CURR	Lecture	Lab	Seminar		Prefix	Number	Contact	PROPC Lecture	Lab	Seminar
FIE	EIIX	Number	Hours	Lecture	Lau	Seminar		FIELIX	Number	Hours	Lecture	Lau	Seminal
								PHAR	621	5	3	2	
Tit	le:		l .					Title: Ii	ntegrated	Pharmaco	otherapy	3	
С	redit	Hours	Prereq	uisites		Co-			t Hours	Prereq			Co-requisites
					rec	quisites							·
									4	PHAF	R 520		
Со	urse/	Catalog	Description	on <i>(125 w</i>	ords)			Course	/Catalog	Descriptio	n <i>(125 wc</i>	ords)	
			•	-								-	thophysiology, pharmacology,
									-	•			ommonly encountered disease ated care plans for patients with
										_	_	_	pment of a clinical understanding
											_		vention in the patient-specific I the development of an
									ate therapeut		anagement	piaii aiiu	title development of an
Со	urse	Outcome	es and Ass	sessment	Plan			Course	Outcome	es and Ass	essment	Plan	
								See be	low				
Со	urse	Outline i	ncluding	Time Allo	catior	1		Course	Outline i	ncluding T	ime Allo	cation	
								See be	low				
A.	If not	LEC/LA	B/SEM, Cl	neck box	as app	propriate	[Se	e Definiti	ons in App	endix E]:			
	☐ Pr	acticum											
	□ In	depende	ent Study										
В.		ge Code	•										
			Code: PHA	AR									
	•	it Hours:											
٠.		ariable											
_			adi+ Haura	. 1									
			edit Hours										
			edit Hour				1						
G.		•	e repeate	a for add	itiona	credit: N	0						
	⊠ No												
		-	s, max tin	nes repea	ited: (DR max c	rec	lits awar	ded:				
Н.	Level	s:											
	□ Uı	ndergrad	duate										
	☐ Gr	raduate											
	⊠ Pr	ofession	nal										
I.		e Metho											
			_etter Gra	ding									
		andara :		0									

J. Does the proposed course replace an equivalent course?

PHAR 621 INTPHTH3 Form EF Course Information	in Form (Torrinerry Form L and Form F)
⊠ No	
\square Yes – If yes, enter equivalent course:	
Course Prefix,	Number – Course Title
Term(s) Offered: Fall	
Max Section Enrollment:	
Lecture: 160	
Lab:	
To be completed by Academic Affairs Office: Standards & Mea	sures Coding and General Education Code
\square Basic Skill (BS), \square General Education, \square Occupational Educ	ation, Gen Ed. Codes:
JCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
JCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
JCC Chair Signature & Date: OFFICE OF THE REGISTRAR USE ONLY	Academic Affairs Approval Signature & Date:
	Academic Affairs Approval Signature & Date:

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Describe and apply appropriate pharmacokinetic principles and parameters in the design of a pharmacotherapeutic regimen.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case Studies (periodic)
Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course, accounting	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
for any specific patient factors.	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Effectively counsel a patient regarding the necessary and relevant information that pertains to a patient's medications and/or health conditions using appropriate patient-friendly terminology.	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Presentation, Simulation, OSCEs- formative, OSCEs-summative (periodic)
Identify and describe the relevant etiology, pathophysiology, and clinical presentation associated with selected human diseases using appropriate scientific and medical terminology.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Identify and interpret appropriate laboratory parameters used to assess and monitor selected human disease and/or the efficacy and toxicity of a pharmacotherapeutic regimen.	1.1.4: Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)

PHAR 621 INTPHTH3 Form EF Course Information Form (formerly Form E and Form F)

Identify the chemical and pharmacological class to which a medication belongs and outline and prioritize pharmacologic similarities and differences for inter- and intra-class medication selection as it pertains to a specific patient.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physiochemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Predict, prevent or eliminate drug-drug interactions, drug-food interactions, drug interactions/implications with complementary and integrative medicine, and drug side effects and toxicities by applying knowledge of	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decisionmaking.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
pharmacology, pharmacokinetics and structural properties.	3.1.1: Identify and define the relevant problems.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.2: Define goals and alternative goals.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.3: Explore multiple solutions by organizing, prioritizing, and defending each possible solution.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
2	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations).	Direct Supervision (Simulation)
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Direct Supervision (Simulation)
4	Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Direct Supervision (Simulation)
5	Follow-up and monitor a care plan.	Direct Supervision (Simulation)
7	Identify patients at risk for prevalent diseases in a population.	Direct Supervision (Simulation)
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision (Simulation)
12	Use evidence-based information to advance patient care.	Direct Supervision (Simulation)

Course Outline including Time Allocation (proposed):

5 contact flours per week, i creentages (100 percent)		
TOPIC	LECTURE	LAB
COPD and asthma therapeutics	3	2
Pre-OSCE mock patient encounter topic wrap-up/review		2
Respiratory drug action	2	
Allergic rhinitis and cough and cold therapeutics	1	2
Pathophysiology of diabetes and complications	4	
Diabetes drug action	7	4
Insulin dosing, SubQ injections, monofilament		2
Insulin pumps/carb counting		2
Diabetes Therapeutics	6	6
Pathophysiology of thyroid disorders	1	
Thyroid drug action	2	
Thyroid Therapeutics		2
Glucometers/A1C		2
Dermatology pathophysiology	1	
Dermatology drug action	1	
Dermatology therapeutics	1	2
Exams	6	
Open (3 lectures/2 labs due to Thanksgiving break)	10	4
TOTAL	45	30

РΗ	AR 622	INT	РНТН4 І	Form FI	- Coi	ırse Info	rn	nation	Form (f	ormerl	v Forn	n F a	and Form F)
	CTION T			01111 21		1100 11110		· iacioii		OTTITE!!	,	0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			MODIFY	/ OP □	DELE	TE							
							200						
				-	_	ode): 2019			sta manth i	in which to	rm hagins		
			_	-			_		ite month i t herapy 4	n wnich te	rm begins	•	
	JONSE I	DLIVII	IIICATIO			. Course Nu							
If	deletin	g a co	urse STOI		r rejin,	Course W	*****	001	ise ritie				
		_			elds th	at will be	ch	nanged.					
			•			ant fields							
		6	CURRI								PROPOS	SED	
Pre	fix Nu	mber	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar
			Hours				_			Hours			
								PHAR	622	5	3	2	
Tit		I			1				ntegrated	1		4	
С	redit Ho	ours	Prereq	uisites		Co-		Credi	t Hours	Prereq	uisites		Co-requisites
					rec	quisites			4	DUAL	. 624		
<u></u>		talaa	Docarintia	n /125				Course	4 /Catalage	PHAF			
CO	urse/Ca	italog	Description)11 (125 W	oras)				:/Catalog				thophysiology, pharmacology,
								medicina	l chemistry, a	nd therapeut	ics associate	d with c	commonly encountered disease
										_	_	_	ated care plans for patients with opment of a clinical
								understa	nding of the c	lisease proce	ss, the role o	f pharm	nacological intervention in the
								1 -	pecific and/or nent of an app			_	gement plan and the
Со	urse Ou	itcome	es and Ass	sessment	Plan				Outcome	•			
								See below					
Со	urse Ou	ıtline i	ncluding ⁻	Time Allo	cation	า		Course	Outline i	ncluding 1	ime Allo	cation	1
								See be	low				
A.	If not Li	EC/LAE	3/SEM, Cl	neck box	as app	oropriate	[Se	e Definiti	ons in App	endix E]:			
	☐ Prac	ticum											
	\square Inde	pende	nt Study										
В.	College	Code:	PH										
C.	Departr	ment (Code: PHA	٩R									
D.	Credit F	lours:											
	☐ Varia	able											
	⊠ Fixed	d											
E.	Minimu	ım Cre	dit Hours	s: 4									
F.	Maximu	um Cre	edit Hours	s: 4									
G.	G. Hours may be repeated for additional credit: No												
	⊠ No												
	☐ Yes – If yes, max times repeated: OR max credits awarded:												
Н.	Levels:	·		•									
	☐ Und	ergrad	uate										
	☐ Grad	_											
	□ Profe		al										
1.	Grade N												
			etter Gra	ding									
	☐ Cred			0									
		,	Si Cuit										

J. Does the proposed course replace an equivalent course?

PHAR 622 INTPHTH4 Form EF Course Informati	on Form (formerly Form E and Form F)
⊠ No	
\square Yes – If yes, enter equivalent course:	
Course Prefix	x, Number – Course Title
Term(s) Offered: Spring	
. Max Section Enrollment:	
Lecture: 160	
Lab:	
To be completed by Academic Affairs Office: Standards & Mea	asures Coding and General Education Code
\square Basic Skill (BS), \square General Education, \square Occupational Edu	cation, Gen Ed. Codes:
JCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR USE ONLY	
OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed:	

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Describe and apply appropriate pharmacokinetic principles and parameters in the design of a pharmacotherapeutic regimen.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case Studies (periodic)
Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course, accounting	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
for any specific patient factors.	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Effectively counsel a patient regarding the necessary and relevant information that pertains to a patient's medications and/or health conditions using appropriate patient-friendly terminology.	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Presentation, Simulation, OSCEs- formative, OSCEs-summative (periodic)
Identify and describe the relevant etiology, pathophysiology, and clinical presentation associated with selected human diseases using appropriate scientific and medical terminology.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Identify and interpret appropriate laboratory parameters used to assess and monitor selected human disease and/or the efficacy and toxicity of a pharmacotherapeutic regimen.	1.1.4: Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)

PHAR 622 INTPHTH4 Form EF Course Information Form (formerly Form E and Form F)

Identify the chemical and pharmacological class to which a medication belongs and outline and prioritize pharmacologic similarities and differences for inter- and intra-class medication selection as it pertains to a specific patient.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physiochemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Apply the structure, function and properties of microorganisms (i.e. bacteria, viruses, parasites and fungi) responsible for human disease, and design rational approaches to their containment or eradication.	1.1.9: Apply the structure, function and properties of microorganisms (i.e. bacteria, viruses, parasites and fungi) responsible for human disease, and design rational approaches to their containment or eradication.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic
Predict, prevent or eliminate drug-drug interactions, drug-food interactions, drug interactions/implications with complementary and integrative medicine, and drug side effects and toxicities by applying knowledge of	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decisionmaking.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
pharmacology, pharmacokinetics and structural properties.	3.1.1: Identify and define the relevant problems.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.2: Define goals and alternative goals.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.3: Explore multiple solutions by organizing, prioritizing, and defending each possible solution.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
2	Analyze information to determine the effects of medication therapy, identify medication-related	Direct Supervision (Simulation)
	problems, and prioritize health-related needs (including immunizations).	
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the	Direct Supervision (Simulation)
	patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	
4	Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Direct Supervision (Simulation)
5	Follow-up and monitor a care plan.	Direct Supervision (Simulation)
7	Identify patients at risk for prevalent diseases in a population.	Direct Supervision (Simulation)
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision (Simulation)
12	Use evidence-based information to advance patient care.	Direct Supervision (Simulation)

Course Outline including Time Allocation (proposed):

TOPIC	LECTURE	LAB
Principles of Infectious Disease - MIC, SBT, Stewardship	2	
Pharmacokinetics/Pharmacodynamics in Infectious Diseases	1	
Learning objectives/presentation skills overview for patient-focused presentations		2
Resistance Mechanisms	2	
Pathogenic Organisms	5	
Clinical Microbiology Issues (Gram stain, Susceptibility testing, etc.)		2
IPE Comp		2
Antimicrobial drug action	13	
Antibiotic Pharmacokinetics		4
SSTI/Bone/Joint Infections	2	2
CABSI/Gram + Bacteremias/Sepsis/Endocarditis	2	2
Urinary Tract Infections	1	2
Sexually Transmitted Diseases	1	2
Antibiotic patient counseling		2

PHAR 622 INTPHTH4 Form EF Course Information Form (formerly Form E and Form F)

Antibiogram/bugs/drugs lab		2
Skill review, OSCE, case studies, landmark literature	3	4
Exams	9	
Open (2 labs due to MLK Day)	4	4
TOTAL	45	30

				Form El	Cou	ırse Info	rn	nation	Form (f	ormerl	y Form	n E a	nd Form F)
	CTION TO			_									
			MODIFY										
	Desired Term Effective Date (6-digit code): 201908 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.												
			_	•			_			in which te	rm begins.	•	
II.C	OURSE IE	DENT	IFICATION			_			therapy 5				
					Prefix,	, Course Ni	ıml	ber – Coi	ırse Title				
	_		urse STOI										
			-			nat will be		nanged.					
If	creating	a co		•	relev	ant fields		ı					
	e N.		CURRI		1 - 1-	C		D f	l Nicosale e o	Ctt	PROPOS		Caminan
Pre	efix Num	nber	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar
								PHAR	623	5	3	2	
Tit	le:							Title: I	ntegrated	Pharmaco	otherapy	5	
С	redit Hou	urs	Prereq	uisites		Co-		Credi	t Hours	Prereq	uisites		Co-requisites
					red	quisites							
									4	PHAF	R 621		
Co	urse/Cat	alog	Description	on <i>(125 w</i>	ords)				c/Catalog				
													thophysiology, pharmacology, ommonly encountered disease
									• • •	•			ated care plans for patients with
										•	-		pment of a clinical understanding
									•		_		vention in the patient-specific the development of an
								appropri	ate therapeut	ic regimen.			•
Co	urse Out	come	es and Ass	sessment	Plan			Course Outcomes and Assessment Plan					
								See below Course Outline including Time Allocation					
Со	urse Out	line i	ncluding ⁻	Time Allo	cation	1				ncluding 1	ime Allo	cation	
	If not I F	C/I A I	O/CENA CL	a a alubay	26.20	oroprioto	[C-	See be		andi., [7].			
A.			o/ SEIVI, CI	ieck box	as app	oropriate	[Se	е рејіпіс	ions in App	enaix Ej:			
	☐ Pract												
_	•		ent Study										
	College (
	•		Code: PHA	AK									
D.	Credit H												
	☐ Varia												
			dit Hours										
F.	Maximu	m Cre	edit Hours	s: 4									
G.	G. Hours may be repeated for additional credit: No												
	⊠ No												
	\square Yes –	If yes	s, max tim	nes repea	ted: (OR max c	red	lits awar	ded:				
Н.	Levels:												
	\square Unde	rgrad	luate										
	☐ Gradu	_											
	□ Profe		al										
ı.	Grade M												
			.etter Gra	ding									
	☐ Credi			~p									

J. Does the proposed course replace an equivalent course?

PHAR 623 INTPHTH5 Form EF Course Information Form (formerly Form E and Form F) No Yes – If yes, enter equivalent course: K. Term(s) Offered: Spring L. Max Section Enrollment: Lecture: 160 Lab: To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code Basic Skill (BS), General Education, Occupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date: OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed: Entered: SCACRSE, SCADETL, SCARRES, SCAPREQ

Course Outcomes and Assessment Plan (proposed)
--

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Describe and apply appropriate pharmacokinetic principles and parameters in the design of a pharmacotherapeutic regimen.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case Studies (periodic)
Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course, accounting for any specific	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examinations-formative, Examination-summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
patient factors.	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examinations-formative, Examination-summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examinations-formative, Examination-summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Examinations-formative, Examination-summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Effectively counsel a patient regarding the necessary and relevant information that pertains to a patient's medications and/or health conditions using appropriate patient-friendly terminology.	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Presentation, Simulation, OSCEs- formative, OSCEs- summative (periodic)
Identify and describe the relevant etiology, pathophysiology, and clinical presentation associated with selected human diseases using appropriate scientific and medical terminology.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examinations-formative, Examination-summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Identify and interpret appropriate laboratory parameters used to assess and monitor selected human disease and/or the efficacy and toxicity of a pharmacotherapeutic regimen.	1.1.4: Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.	1.1: Foundational Knowledge	Examinations-formative, Examination-summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Identify the chemical and pharmacological class to which a medication belongs and outline and prioritize pharmacologic similarities and differences for inter- and intra-class medication selection as it pertains to a specific patient.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physiochemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examinations-formative, Examination-summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Apply the structure, function and properties of microorganisms (i.e. bacteria, viruses, parasites and fungi) responsible for human disease, and design rational approaches to their containment or eradication.	1.1.9: Apply the structure, function and properties of microorganisms (i.e. bacteria, viruses, parasites and fungi) responsible for human disease, and design rational approaches to their containment or eradication.	1.1: Foundational Knowledge	Examinations-formative, Examination-summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic

PHAR 623 INTPHTH5 Form EF Course Information Form (formerly Form E and Form F)

Predict, prevent or eliminate drug-drug interactions, drug-food interactions, drug interactions/implications with complementary and integrative medicine, and drug side effects and toxicities by applying knowledge of pharmacology, pharmacokinetics and structural properties.

1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decision-making.	1.1: Foundational Knowledge	Examinations-formative, Examination-summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
3.1.1: Identify and define the relevant problems.	3.1: Problem-Solving	Examinations-formative, Examination-summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
3.1.2: Define goals and alternative goals.	3.1: Problem-Solving	Examinations-formative, Examination-summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
3.1.3: Explore multiple solutions by organizing, prioritizing, and defending each possible solution.	3.1: Problem-Solving	Examinations-formative, Examination-summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem-Solving	Examinations-formative, Examination-summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
2	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations).	Direct Supervision (Simulation)
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Direct Supervision (Simulation)
4	Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Direct Supervision (Simulation)
5	Follow-up and monitor a care plan.	Direct Supervision (Simulation)
7	Identify patients at risk for prevalent diseases in a population.	Direct Supervision (Simulation)
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision (Simulation)
12	Use evidence-based information to advance patient care.	Direct Supervision (Simulation)

Course Outline including Time Allocation (proposed):

TOPIC	LECTURE	LAB
Diabetic Foot Infections	1	
Intra-abdominal Infections / Clostridium difficile	2	2
Landmark literature discussion groups: antibiotic stewardship		2
Pathogenic Organisms	8	
Lower Respiratory Infections	2	2
Upper Respiratory Infections with Peds Considerations	2	2
Parasitic Infections	1	
Antimicrobial drug action	7	
Mycobacteria infections	1	2
CNS Infections	1	2
Rapid Diagnostics		2
Hepatitis infections	1	2
Influenza infections		2
Vaccinations		2
HIV infections	1	2
Fungal infections	1	2
Opportunistic Infections	3	
Patient-focused immunization presentations		2
Skill review, OSCE, case studies, landmark literature	3	4
Exams	9	
Open	2	
TOTAL	45	30

PHAI	R 624 INT	РНТН6	Form El	F Cou	ırse Info	rn	nation	Form (f	ormerl	v Forn	n F a	ind Form F)
			. 0 2.						01111011	,	0	
			, OP □	DELE	TC							
	-		-			200						
			=	_	=					b a a i a a		
		_	•			_				rm begins	•	
II.COC	JUSE IDEMI	IFICATIO			_							
If d	alating a co	ursa STO		riejix,	Course Nu	41111	<i>0e1</i> – cot	iise iitie				
	_			alde +k	at will bo	. ck	angod					
		•					iangeu.					
	See below Course Outline including Time Allocation Course Outline including Time Allocation See below If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: □ Practicum □ Independent Study College Code: PH Department Code: PHAR Credit Hours: □ Variable □ Fixed											
Prefix	Number	1	1	Lab	Seminar		Prefix	Number	Contact			Seminar
		Hours				_						
									_		L	
									1		6	
Cre	dit Hours	Prerec	uisites				Credi	t Hours	Prereq	uisites		Co-requisites
				red	quisites	_			5			
	<u> </u>											
Cour	se/Catalog	Description	on <i>(125 w</i>	ords)					•			
											-	
							states so	that students	s can design a	nd manage (drug-rela	ated care plans for patients with
									•	-		-
								•	•	_		
-	0			DI				•	_		DI	
Course Outcomes and Assessment Plan												
Cour	rca Outlina	including	Time Alle	cation					naludina T	ima Alla	ootion	
Cour	se Outline	including	Time Allo	cation	1							
Δ If	not LFC/LA	B/SEM_CI	heck hox	as ani	ronriate							
_			TICCK DOX	ստաբլ	or opriate [ĮJC	с Бејппе	онз ні дрр	chuix Lj.			
_												
	•	•										
	_		4 D									
	•		4K									
		:										
E. M	linimum Cre	edit Hours	s: 4									
F. M	laximum Cr	edit Hour	s: 4									
G. H	ours may b	e repeate	d for add	itiona	l credit: N	0						
\boxtimes	No											
	Yes – If ye	s, max tin	nes repea	ited: (OR max cr	ed	lits awar	ded:				
	-		-									
	Undergra	duate										
	_											
		nal										
	rade Metho											
	Standard		nding									
	Credit/No		iuiiig									
I	+ creait/No	creait										

J. Does the proposed course replace an equivalent course?

PHAR 624 INTPHTH6 Form EF Course Information Form (formerly Form E and Form F) No Yes – If yes, enter equivalent course: Course Prefix, Number – Course Title K. Term(s) Offered: Spring L. Max Section Enrollment: Lecture: 160 Lab: To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code Basic Skill (BS), General Education, Occupational Education, Gen Ed. Codes: UCC Chair Signature & Date: OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed: Entered: SCACRSE, SCACREI, SCACRES, SCAPREQ

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Describe and apply appropriate pharmacokinetic principles and parameters in the design of a pharmacotherapeutic regimen.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case Studies (periodic)
Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course, accounting	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
for any specific patient factors.	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Effectively counsel a patient regarding the necessary and relevant information that pertains to a patient's medications and/or health conditions using appropriate patient-friendly terminology.	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Presentation, Simulation, OSCEs- formative, OSCEs-summative (periodic)
Identify and describe the relevant etiology, pathophysiology, and clinical presentation associated with selected human diseases using appropriate scientific and medical terminology.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Identify and interpret appropriate laboratory parameters used to assess and monitor selected human disease and/or the efficacy and toxicity of a pharmacotherapeutic regimen.	1.1.4: Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)

PHAR 624 INTPHTH6 Form EF Course Information Form (formerly Form E and Form F)

Identify the chemical and pharmacological class to which a medication belongs and outline and prioritize pharmacologic similarities and differences for inter- and intra-class medication selection as it pertains to a specific patient.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physiochemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Predict, prevent or eliminate drug-drug interactions, drug-food interactions, drug interactions/implications with complementary and integrative medicine, and drug side effects and toxicities by applying knowledge of	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decisionmaking.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
pharmacology, pharmacokinetics and structural properties.	3.1.1: Identify and define the relevant problems.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.2: Define goals and alternative goals.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.3: Explore multiple solutions by organizing, prioritizing, and defending each possible solution.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA	Level
Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations).	Direct Supervision (Simulation)
Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Direct Supervision (Simulation)
Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Direct Supervision (Simulation)
Follow-up and monitor a care plan.	Direct Supervision (Simulation)
Identify patients at risk for prevalent diseases in a population.	Direct Supervision (Simulation)
Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision (Simulation)
Use evidence-based information to advance patient care.	Direct Supervision (Simulation)
	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations). Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective. Implement a care plan in collaboration with the patient, caregivers, and other health professionals. Follow-up and monitor a care plan. Identify patients at risk for prevalent diseases in a population. Educate patients and professional colleagues regarding the appropriate use of medications.

Course Outline including Time Allocation (proposed):

TOPIC	LECTURE	LAB
Gastrointestinal pathophysiology	3	
Gastrointestinal drug action	4	
GI Patho/Pcol and Diagnostics/Upper and Lower Scopes		2
PUD/SUP/GERD/ IBD/IBS	2	2
Bowel sounds, spiral: lung sounds and BP/pulse, recording in S/O section of SOAP, clinical recommendations		2
OTC product selection and counseling (GI focus)		2
Pancreatitis/PK in hepatic disease/Cirrhosis	2	2
Nausea/Vomiting	1	
IPE debrief		2
Anemia pathophysiology and therapy	3	2
Electrolyte Disorders / Acid base	5	4
Acute kidney injury	1	
Chronic kidney disease pathophysiology, drug action and therapy	6	2
Otic/ophthalmic agents		4
Pharmacokinetic considerations in renal disease	2	
Renal replacement therapy		2
Nutrition	3	2
Exams	6	
Open (3 lectures/1 lab due to Mid-semester break)	7	2
TOTAL	45	30

	030 PPI		II EF CO	urse	iiiiorm	auon	гΟ	i i i i (torm	erly Form	E and Fo	rm F)	
	ON TO BE											
⊠ (CREATE, □	MODIF	/, OR ⊔	DELE	TE							
	ired Term E: The first j		=	_	=		dico	ate month i	in which te	rm begins		
II COLI	DCE IDENIT	TEICATION	N. DUAD (sav pr	aarmaay l	Dractica		anagamar	a+ 1			
ii.COU	RSE IDENT	IFICATION			Course N			_	It I			
If de	leting a co	urse STO		riejix,	Course IV	uiiibei –	Cou	iise iitie				
	nodification			elds th	at will be	chang	ed.					
	eating a co	•				_						
	Ü	•	. –	_								
		CURR	ENT							PROPOS	SED	
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Pre	fix	Number	Contact Hours	Lecture	Lab	Seminar
						PH	٩R	630	3	3		
Title:	•	•	•			Titl	e: P	harmacy	Practice N	1anagem	ent 1	
Cred	lit Hours	Prereq	uisites		Co- quisites	Cı	edi	it Hours	Prereq	uisites		Co-requisites
				100	141311.63			3	PHAR	1516		
Cours	e/Catalog	Description	on <i>(125 w</i>	ords)		Coi	ırse	e/Catalog	1		ords)	
Course/Catalog Description (125 words)						Cove	ers th	ne fundament	al managerial	functions n	ecessary	to support the supervision of
												nmunity settings. This course a contemporary pharmacy
									-		_	zational behavior and human
								-				and technical staff. The course
												gement of drug delivery systems management of different
						+		on therapy m				
Cours	e Outcom	es and Ass	sessment	Plan				Outcome	es and Ass	essment	Plan	
Cours	e Outline	including '	Time Allo	cation	,			low Outline i	ncluding T	ima Alla	cation	
Cours	e Outilile	including	TITLE ALLO	catioi	<u>'</u>	t t		low	ilciuuliig i	IIIIE Allo	cation	
Δ If r	not LEC/LA	R/SFM CI	heck hox	as anr	ronriate				endix F1·			
	Practicum	•	TECK SOX	as app	лорнасс	[See Be]		.σ.,σ.,,,,,,,	enan zji			
	Independe											
	llege Code	•										
	partment		ΔR									
	edit Hours:											
	Variable	•										
	Fixed											
	nimum Cre	edit Hours	· 3									
	aximum Cr											
	urs may be			itional	l credit: N	lo						
	No No	стерение	a 101 aaa	·ciona	· crearer r							
	Yes – If ye	s may tin	nes renea	ited: 1	OR max c	redits a	war	ded.				
ت H. Le	-	3, 1110A UII	ics repea	icu. (OK IIIAA C	i cuits a	vv a I	acu.				
	Undergra	duate										
	_	Juale										
	Graduate	1										
X	Profession	ıaı										

I. Grade Method:

PH	HAR 630 PPM1 Form EF Course Information F	Orm (formerly Form E and Form F)	
	Standard Letter Grading		
	☐ Credit/No Credit		
J.	Does the proposed course replace an equivalent course	?	
	⊠ No		
	\square Yes – If yes, enter equivalent course:		
	Course Prefix,	Number – Course Title	
K.	Term(s) Offered: Fall		
L.	Max Section Enrollment:		
	Lecture: 160		
	Lab:		
Te	o be completed by Academic Affairs Office: Standards & Meas	sures Coding and General Education Code	
	\square Basic Skill (BS), \square General Education, \square Occupational Educ	ation, Gen Ed. Codes:	
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:	
_	OFFICE OF THE REGISTRAR USE ONLY		
	Pate Rec'd: Date Completed:		
Eı	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ		

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Critique a surge/disaster preparedness plan for both natural and/or man-made disasters.	2.2.1: Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2: Medication System Use	Examination-formative, case studies
Critique the role of medication use systems in different health delivery systems; and select the appropriate medication use system depending on health care setting.	2.2.1: Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2: Medication System Use	Examination-formative, case studies
Identify and critique the role and function of the pharmacist in health delivery systems.	2.2.1: Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2: Medication System Use	Examination-formative, case studies
Recommend managerial interventions to address issues in human resource, and logistics management with consideration of the unique characteristics of the practice setting.	2.2.3: Utilize human, financial, and physical resources to optimize the medication use system.	2.2: Medication System Use	Examination-formative, case studies
Use conflict resolution when managing human resources.	2.2.3: Utilize human, financial, and physical resources to optimize the medication use system.	2.2: Medication System Use	Examination-formative, case studies
Using marketing principles, develop and implement a plan for a contemporary pharmacy operation or service with consideration of segments of the market including payers, patients and other providers.	2.2.3: Utilize human, financial, and physical resources to optimize the medication use system.	2.2: Medication System Use	Examination-formative, case studies
Critique contemporary pharmacy service delivery systems for the appropriate use of logistics (supply chain management) and human resource utilization.	2.2.4: Apply standards, guidelines, best practices, and established processes related to safe and effective medication use in different pharmacy practice settings.	2.2: Medication System Use	Examination-formative, case studies

PHAR 630 PPM1 Form EF Course Information Form (formerly Form E and Form F)

Propose contemporary pharmacy distribution systems for improvements in design related to the safety and efficiency of prescription dispensing, and optimal utilization of human resources (including the use of automated technologies).	2.2.4: Apply standards, guidelines, best practices, and established processes related to safe and effective medication use in different pharmacy practice settings.	2.2: Medication System Use	Examination-formative, case studies
Using risk management principles, develop a plan to minimize medication errors for a particular practice setting with consideration of predicting and preventing drugrelated problems and medical errors.	2.2.5: Utilize continuous quality improvement techniques in the medication use process.	2.2: Medication System Use	Examination-formative, case studies
Identify and define relevant problems in the operation of medication use systems	3.1.1: Identify and define the relevant problems.	3.1: Problem- Solving	Examination-formative, case studies
Define key goals to achieve optimal utilization of resources in a medication use system.	3.1.2: Define goals and alternative goals.	3.1: Problem- Solving	Examination-formative, case studies
Anticipate outcomes associated with alternatives when resolving problems in medication use systems.	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Examination-formative, case studies
Recommend the most viable solution when resolving identified problems in medication use systems.	3.1.5: Recommend the most viable solution, including monitoring parameters, to measure intended and unintended consequences.	3.1: Problem- Solving	Examination-formative, case studies
Recommend monitoring parameters to help ensure improvements following recommended changes in a medication use system.	3.1.6: Reflect on the solution recommended and its effects to improve future performance.	3.1: Problem- Solving	Examination-formative, case studies
Identify and critique the role and function of the pharmacist in health delivery systems.	3.3.4: Perform effectively and ethically as a member of an interprofessional functioning team (one that includes the patient, family, and community).	3.4: Inter- professional Collaboration	Examination-formative, case studies

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
13	Oversee the pharmacy operations for an assigned work shift.	Direct Supervision
		(Simulation)

Course Outline including Time Allocation (proposed):

5 contact nodis per week, referringes (100 percent)	
TOPIC	HOURS
Marketing principles and marketing of pharmacy services	6
Principles that influence the distribution of pharmaceutical products and services	3
Organizational behavior	3
Managing professional and technical staff and programs	4
Labor laws	3
Medication distribution systems in the United States and other developed nations (including macro and micro-systems)	4
Medication errors: Human and system causes	5
Principles of operations management and quality and safety assurance in medication use systems, as well as distribution, central	
tendency, and variance	4
Managing and improving medication use systems in different practice settings (e.g. community, hospital, hospice, central fill, VA, etc.)	
and continuity of care between systems	3
Advanced pharmacy practice settings	3
Selecting and managing technology and automation in pharmacy practice	3
Bioterrorism, disaster preparedness and management	2
Exam	2
TOTAL	45

PHAR 640 DRUGLIT Form EF Course Information Form (formerly Form E and Form F)												
I. ACTI	ON TO BE	TAKEN:										
⊠ (REATE, 🗆	MODIFY	′. OR □	DELE	TE							
	•		•									
Desi	ired Term	Effective	Date (6-c	ligit co	ode): 201	908	3					
	Desired Term Effective Date (6-digit code): 201908 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.											
	Work. The first four digits marcute year, the next two digits marcute month in which term begins.											
II.COU	RSE IDENT	IFICATION	N: PHAR 6	640 Dı	rug Litera	tur	e, Infori	natics and	d Biostati	stics		
			Course	Prefix,	Course No	ıml	ber – Cou	rse Title				
If de	leting a co	urse STOI	P HERE.									
For r	nodification	on, compl	ete all fie	elds th	at will be	ch	nanged.					
If cre	eating a co	urse, com	iplete <u>all</u>	relev	ant fields	•						
						1	1					
		CURRI					_		T	PROPO		
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar
		Tiours					PHAR	640	3	3		
Title:				1					_		nd Bio	ostatistics
	it Hours	Prereq	uisites		Co-		Credit Hours		Prerequisites		Co-requisites	
				rec	quisites							·
								3				PHAR 622
Cours	e/Catalog	Description	on <i>(125 w</i>	ords)					Descriptio			
												tions necessary to enable students
							to evaluate the medical literature, including study design and statistical techniques used in clinical research, and apply that information in the clinical setting. It also covers evidence-					
									-	_	-	ts and answering drug information atics related to pharmacy practice.
Cours	e Outcom	es and Ass	sessment	Plan					es and Ass			action related to priorition produces
							See be	low				
Cours	e Outline i	ncluding ⁻	Time Allo	catior	1		Course	Outline i	ncluding T	ime Allo	cation	
							See be					
A. If n	ot LEC/LA	B/SEM, Cl	neck box	as app	propriate	[Se	e Definiti	ons in App	endix E]:			
	Practicum											
	Independe	ent Study										
B. Co	llege Code	: PH										
C. De	partment (Code: PHA	λR									
D. Cre	edit Hours:											
	Variable											
\boxtimes	Fixed											
E. Mi	nimum Cre	edit Hours	:: 3									
	ximum Cr											
G. Ho	Hours may be repeated for additional credit: No											
\boxtimes	No											
	Yes – If ye	s, max tim	nes repea	ited: (OR max c	red	lits awar	ded:				
H. Lev	vels:											
	Undergrad	duate										
	\square Graduate											
\boxtimes	Profession	nal										
I. Gra	de Metho	d:										

oxtimes Standard Letter Grading

PH	HAR 640 DRUGLIT Form EF Course Information	Form (formerly Form E and Form F)
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course	?
	⊠ No	
	\square Yes – If yes, enter equivalent course:	
	Course Prefix,	Number – Course Title
K.	Term(s) Offered: Spring	
L.	Max Section Enrollment:	
	Lecture: 160	
	Lab:	
	be completed by Academic Affairs Office: Standards & Meas	
L	Basic Skill (BS), General Education, Occupational Education	ition, Gen Ed. Codes:
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
_	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
Eı	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment	
Assess ways to identify, monitor, report, and prevent adverse events	1.1.8: Apply the federal and appropriate state-specific statutes that regulate the practice of pharmacy, along with relevant civil and contract law.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment	
Classify common drug and disease oriented resources by type (e.g. primary, secondary, tertiary) and by category (e.g. adverse reaction, pregnancy and lactation, therapeutics	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment	
Define the role of health informatics in the delivery of pharmacy services and health care	2.2.4: Apply standards, guidelines, best practices, and established processes related to safe and effective medication use in different pharmacy practice settings.	2.2: Medication System Use	Examination-formative, Examination-summative, Quiz, Written Assignment	
Describe health informatics tools that are relevant to the delivery of patient-centered pharmacy services	2.2.4: Apply standards, guidelines, best practices, and established processes related to safe and effective medication use in different pharmacy practice settings.	2.2: Medication System Use	Examination-formative, Examination-summative, Quiz, Written Assignment	
Describe the nature, classification, and specific aspects of a drug information request	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment	
Develop appropriate responses to patient-specific and population drug information questions based on the best available evidence	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Written assignment	
	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physiochemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decisionmaking.	1.1: Foundational Knowledge	Written assignment	
	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Written assignment	
	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Written assignment	

PHAR 640 DRUGLIT Form EF Course Information Form (formerly Form E and Form F)

	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Written assignment
	2.4.2: Develop and provide an evidence-based approach to population health management that considers the cost, care, access, and satisfaction needs of a targeted patient population.	2.4: Population- Based Care	Written assignment
Develop solutions to problems posed by peers, other healthcare professionals, and patients	3.1.1: Identify and define the relevant problems.	3.1: Problem- Solving	Written assignment
	3.1.3: Explore multiple solutions by organizing, prioritizing, and defending each possible solution.	3.1: Problem- Solving	Written assignment
	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Written assignment
Develop strategies for addressing perceptions created by direct to consumer advertisements and sale representatives	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment
Develop written communications that effectively convey information in language appropriate for the audience	3.4.3: Assess a patient's health literacy and modify communication strategies to meet the patient's needs.	3.5: Cultural Sensitivity	Written assignment
	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Written assignment
	4.4.1: Demonstrate compassion, empathy, altruism, integrity, trustworthiness, flexibility, and respect.	4.4: Professionalism	Written assignment
Discuss the results of the primary literature to expanded patient populations	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment
Discuss ways to obtain useful information from the pharmaceutical companies	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment
Evaluate the results of primary literature within the context of an individual patient or patient population	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment
Retrieve and analyze scientific literature and medical information to 1) communicate drug information effectively to patients and 2) make evidence-based therapeutic decisions	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment
	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physiochemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment
	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decision-making.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment
	1.1.4: Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment
	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment

PHAR 640 DRUGLIT Form EF Course Information Form (formerly Form E and Form F)

1.1.6: Describe the physiochemical properties and formulation of drugs in various sterile and non-sterile dosage forms when selecting drug product for the patient.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment
1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Quiz, Written Assignment

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
12	Use evidence-based information to advance patient care.	Direct Supervision
		(Simulation)

Course Outline including Time Allocation (proposed):

Topic	Time (Hrs)
Statistical Analysis	19
Study Design	4.5
Drug Information & Orientation	12
Informatics	7.5
Exams	2
Total Hours (not including final exam)	45

PHAR 691 DIPPE1 Form EF Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: □ CREATE, □ MODIFY, OR □ DELETE Desired Term Effective Date (6-digit code): 201908 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 691 Direct Patient Care IPPE 1 Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Prefix Number Contact Lecture Lab Seminar Lab Seminar Hours Hours PHAR 691 2 Title: Direct Patient Care IPPE 1 Title: **Credit Hours Prerequisites** Co-Credit Hours **Prerequisites** Corequisites requisites **PHAR 593** 0.5 Course/Catalog Description (125 words) Course/Catalog Description (125 words) The Direct Patient Care Introductory Pharmacy Practice Experience course is designed for students to expand upon skills learned in the classroom and the medication distribution IPPE. This experience will provide students with the opportunity to work directly with patients in a healthcare setting as a caregiver, educator, and collaborator. Skills emphasized will be effective communication, gathering of patient data, documentation, active listening, interprofessional practice, and cultural sensitivity. It is expected that this introductory course will begin to prepare students to provide patient-centered care as the medication expert. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan See Below Course Outline including Time Allocation Course Outline including Time Allocation See Below A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: □ Practicum ☐ Independent Study B. College Code: PH C. Department Code: PHAR D. Credit Hours: ☐ Variable E. Minimum Credit Hours: 0.5 F. Maximum Credit Hours: 0.5 G. Hours may be repeated for additional credit: Yes ☐ No X Yes – If yes, max times repeated: 1 OR max credits awarded: H. Levels: ☐ Undergraduate

☐ Graduate

PH	PHAR 691 DIPPE1 Form EF Course Information Form (formerly Form E and Form F)
	☑ Professional	
l.	. Grade Method:	
	☐ Standard Letter Grading	
	□ Credit/No Credit	
J.	. Does the proposed course replace an equivalent course?	
	⊠ No	
	\square Yes – If yes, enter equivalent course:	
	Course Prefix, Numbe	er – Course Title
K.	K. Term(s) Offered: Fall, Spring, Summer	
L.	Max Section Enrollment:	
	Lecture: 160	
	Lab:	
To	To be completed by Academic Affairs Office: Standards & Measures Co ☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, ☐	_
UC	JCC Chair Signature & Date:	cademic Affairs Approval Signature & Date:
_	OFFICE OF THE REGISTRAR USE ONLY	
	Date Rec'd: Date Completed: Entered: \square SCACRSE, \square SCADETL, \square SCAPREQ	
"	LINCICA. — JEACHSE, — JEADETE, — JEANNES, — JEAPNEY	

Course Outcomes and Assessment Plan:

Course Outcomes	Programmatic Ability-Based Outcomes	ACPE Educational Standards	Means of Assessment
Collect subjective and objective evidence (including socioeconomic, cultural) related to patient, medications, allergies/adverse reactions, and disease.	2.1.1: Collect subjective and objective evidence (including socioeconomic, cultural) related to patient, medications, allergies/adverse reactions, and disease.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric; Direct Observation
Interpret relevant medical evidence and patient data.	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric; Direct Observation
Prioritize patient needs.	2.1.3: Prioritize patient needs.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric; Direct Observation
Formulate evidence-based care plans, and care transitions with consideration of the unique needs of the patient while emphasizing the need for patients to take responsibility for the control of their health.	2.1.4: Formulate evidence-based care plans, and care transitions with consideration of the unique needs of the patient while emphasizing the need for patients to take responsibility for the control of their health.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric; Direct Observation
Document patient care related activities.	2.1.7: Document patient care related activities.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric; Direct Observation
Ensure instructional content contains the most current information relevant for the intended audience.	3.2.4: Ensure instructional content contains the most current information relevant for the intended audience.	3.2: Education	Rubric; Direct Observation

PHAR 691 DIPPE1 Form EF Course Information Form (formerly Form E and Form F)

Adapt instruction and deliver to the intended audience.	3.2.5: Adapt instruction and deliver to the intended audience.	3.2: Education	Rubric; Direct Observation
Communicate in a manner that values team-based decision making and shows respect for contributions from other areas of expertise.	3.3.3: Communicate in a manner that values team-based decision making and shows respect for contributions from other areas of expertise.	3.4: Interprofessional Collaboration	Rubric; Direct Observation
Recognize the collective identity and norms of different cultures without overgeneralizing (i.e., recognize and avoid biases and stereotyping)	3.4.1: Recognize the collective identity and norms of different cultures without overgeneralizing (i.e., recognize and avoid biases and stereotyping).	3.5: Cultural Sensitivity	Rubric; Direct Observation
Demonstrate an attitude that is respectful of different cultures.	3.4.2: Demonstrate an attitude that is respectful of different cultures.	3.5: Cultural Sensitivity	Rubric; Direct Observation
Assess a patient's health literacy and modify communication strategies to meet the patient's needs.	3.4.3: Assess a patient's health literacy and modify communication strategies to meet the patient's needs.	3.5: Cultural Sensitivity	Rubric; Direct Observation
Consider cultural issues in all aspects of practice to reduce health disparities.	3.4.4: Consider cultural issues in all aspects of practice to reduce health disparities.	3.5: Cultural Sensitivity	Rubric; Direct Observation

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
1	Collect information to identify a patient's medication related problems and health-related needs.	Direct Supervision
2	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations).	Direct Supervision
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Direct Supervision
4	Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Direct Supervision
5	Follow-up and monitor a care plan.	Direct Supervision
6	Collaborate as a member of an interprofessional team.	Direct Supervision
11	Educate patients and professional colleagues regarding the appropriate use of medications.	
12	Use evidence-based information to advance patient care.	Observe

Course Outline:

Торіс	Time
Experiential rotation placement (2 hours per week)	30
	·

PHAR	693 HIP	PE Form	n EF Co	urse	Informat	ion Forr	n (form	erly Fo	orm E a	and I	Form F)
I. ACTI	ON TO BE	TAKEN:					·	•			·
	REATE, 🗆		/. OR □	DELE	TE						
	, —		,								
Desi	ired Term	Effective	Date (6-c	ligit c	ode): 2019	08					
	E: The first f		=	_	=		ate month i	n which te	rm beains		
71077	z. me jiise j	our argres i	marcate y	car, cri	e next two t	argres marce	ace monen	ii wiiicii te	iiii begiiis		
II.COUI	RSE IDENT	IFICATION	N: PHAR (693 N	ledication	Distributi	on Health	System I	PPE		
					, Course Nu			.,	–		
If de	leting a co	urse STO			,						
	nodification			elds th	nat will be	changed.					
	eating a co	•									
	outing a co	u. 50, 00	ipiete <u>un</u>		unt neids.						
		CURR	FNT						PROPO	SFD	
Prefix	Number	Contact	Lecture	Lab	Seminar	Prefix	Number	Contact	Lecture	Lab	Seminar
		Hours						Hours			
						PHAR	693	40			
Title:						Title: N	∕ ledication	Distribu	tion Healt	h Syst	tem IPPE
Cred	lit Hours	Prereq	uisites		Co-	Credi	t Hours	Prereq	uisites		Co-requisites
				re	quisites						
							2	PHAF			
Cours	e/Catalog	Description	on <i>(125 w</i>	ords)			/Catalog [
											Pharmacy Practice Experience room with foundational medication
							_	_			is includes dispensing,
											s will begin to apply standards, safe and effective medication use
						_	-				ductory course will begin to
									nal elements	necessa	ary to practice patient-centered
Cours	e Outcome	es and Ass	sessment	· Plan			e Outcome		essment	Plan	
Cours	e outcom	25 4114 715.	30331110110	. 1 1011		See Be		.5 4114 7155	Coomene		
Cours	e Outline i	ncluding	Time Allo	catio	n		Outline in	ncluding 1	Time Allo	ation	
						See Be					
A. If n	ot LEC/LAI	B/SEM. CI	heck box	as ap	propriate /			endix E1:			
	Practicum	, - , -						,			
	Independe	nt Study									
	llege Code										
	partment (۸R								
	edit Hours:		٦١١								
	Variable										
	Fixed	de la compa									
	nimum Cre										
	aximum Cre										
	urs may be	e repeate	d for add	itiona	i credit: No)					
	No										
	Yes – If ye	s, max tin	nes repea	ited:	OR max cr	edits awar	ded:				
H. Lev	/els:										
	Undergrad	luate									
	Graduate										
\boxtimes	Profession	al									

PHAR 693 HIPPE Form EF Course Information Form (formerly Form E and Form F) I. Grade Method: ☐ Standard Letter Grading J. Does the proposed course replace an equivalent course? \boxtimes No \square Yes – *If yes, enter equivalent course:* Course Prefix, Number - Course Title K. Term(s) Offered: Fall, Spring, Summer L. Max Section Enrollment: Lecture: 160 Lab: To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code ☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date:

OF	FIC	CE	OF	THE	REGIS	STRAR	U	SE	ONLY	,
_		_					_		_	

Date Rec'd:_____ Date Completed:____

Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ

Course Outcomes and Assessment Plan:

Course Outcomes	Programmatic Ability-Based Outcomes	ACPE Educational Standards	Means of Assessment	
Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2.1: Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2: Medication System Use	Rubric; Direct Observation	
Utilize informatics to optimize the medication use system.	2.2.2: Utilize informatics to optimize the medication use system.	2.2: Medication System Use	Rubric; Direct Observation	
Apply standards, guidelines, best practices, and established processes related to safe and effective medication use in different pharmacy practice settings.	2.2.4: Apply standards, guidelines, best practices, and established processes related to safe and effective medication use in different pharmacy practice settings.	2.2: Medication System Use	Rubric; Direct Observation	
Utilize continuous quality improvement techniques in the medication use process.	2.2.5: Utilize continuous quality improvement techniques in the medication use process.	2.2: Medication System Use	Rubric; Direct Observation	
Self-assess understanding and abilities and engage in help seeking behaviors and adapt learning strategies accordingly.	4.1.1: Self-assess understanding and abilities and engage in help seeking behaviors and adapt learning strategies accordingly.	4.1: Self- Awareness	Rubric; Direct Observation	
Demonstrate engagement, confidence, self- direction, ownership, flexibility, and accountability in all learning and professional situations.	4.1.3: Demonstrate engagement, confidence, self-direction, ownership, flexibility, and accountability in all learning and professional situations.	4.1: Self- Awareness	Rubric; Direct Observation	
Demonstrate compassion, empathy, altruism, integrity, trustworthiness, flexibility, and respect.	4.4.1: Demonstrate compassion, empathy, altruism, integrity, trustworthiness, flexibility, and respect.	4.4: Professionalism	Rubric; Direct Observation	

PHAR 693 HIPPE Form EF Course Information Form (formerly Form E and Form F)

Deliver patient-centered care in a manner	4.4.2: Deliver patient-centered care in a manner	4.4:	Rubric; Direct
that is legal, ethical, and compassionate.	that is legal, ethical, and compassionate.	Professionalism	Observation

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
8	Minimize adverse events and medication errors	Observe
9	Maximize the appropriate use of medications in a population.	Observe
13	Oversee the pharmacy operations for an assigned work shift.	Direct Supervision
14	Fulfill a medication order.	Direct Supervision

Course Outline

Торіс	Time (Hrs)
Experiential rotation placement (40 hours per week)	120

PHAR 719 INTPHTH7 Form EF Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: □ CREATE, □ MODIFY, OR □ DELETE Desired Term Effective Date (6-digit code): 202008 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 719 Integrated Pharmacotherapy 7 Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Number Lecture Contact Lecture Lab Seminar Prefix Contact Lab Seminar Hours Hours PHAR 719 5 Title: Title: Integrated Pharmacotherapy 7 **Credit Hours Prerequisites Credit Hours Prerequisites** Co-requisites Corequisites **PHAR 624** 4 Course/Catalog Description (125 words) Course/Catalog Description (125 words) This course will consist of extensive discussion of the pathophysiology, pharmacology, medicinal chemistry, and therapeutics associated with commonly encountered disease states so that students can design and manage drug-related care plans for patients with those disease states. Emphasis will be placed on development of a clinical understanding of the disease process, the role of pharmacological intervention in the patient-specific and/or population-based disease management plan and the development of an appropriate therapeutic regimen. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan See below Course Outline including Time Allocation Course Outline including Time Allocation See below A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: PH C. Department Code: PHAR D. Credit Hours: ☐ Variable E. Minimum Credit Hours: 4 F. Maximum Credit Hours: 4 G. Hours may be repeated for additional credit: No ☐ Yes – If yes, max times repeated: **OR** max credits awarded: H. Levels: ☐ Undergraduate ☐ Graduate □ Professional Grade Method:

☐ Credit/No Credit

PHAR 719 INTPHTH7 Form EF Course Information Form (formerly Form E and Form F)

J.	Does the proposed course replace an equivalent	course?
	⊠ No	
	\square Yes – If yes, enter equivalent course:	
	Course	e Prefix, Number – Course Title
K.	Term(s) Offered: Fall	
L.	Max Section Enrollment:	
	Lecture: 160	
	Lab:	
To	o be completed by Academic Affairs Office: Standards	& Measures Coding and General Education Code
	lacksquare Basic Skill (BS), $lacksquare$ General Education, $lacksquare$ Occupation	al Education, Gen Ed. Codes:
	C Chair Charles A Barre	And the site Affairs Annual Circuit and Date
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
	FFICE OF THE DECICTORD HEE ONLY	
_	FFICE OF THE REGISTRAR USE ONLY	
ח ו	ate Rec'd·	
	ate Rec'd: Date Completed: ntered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPR	

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Describe and apply appropriate pharmacokinetic principles and parameters in the design of a pharmacotherapeutic regimen.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case Studies (periodic)
Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course, accounting	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
for any specific patient factors.	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
Effectively counsel a patient regarding the necessary and relevant information that pertains to a patient's medications and/or health conditions using appropriate patient-friendly terminology.	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Presentation, Simulation, OSCEs- formative, OSCEs-summative (periodic)
Identify and describe the relevant etiology, pathophysiology, and clinical presentation associated with selected human diseases using appropriate scientific and medical terminology.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
Identify and interpret appropriate laboratory parameters used to assess and monitor selected human disease and/or the efficacy and toxicity of a pharmacotherapeutic regimen.	1.1.4: Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)

PHAR 719 INTPHTH7 Form EF Course Information Form (formerly Form E and Form F)

Identify the chemical and pharmacological class to which a medication belongs and outline and prioritize pharmacologic similarities and differences for inter- and intra-class medication selection as it pertains to a specific patient.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physiochemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
Predict, prevent or eliminate drug-drug interactions, drug-food interactions, drug interactions/implications with complementary and integrative medicine, and drug side effects and toxicities by applying knowledge of	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decisionmaking.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
pharmacology, pharmacokinetics and structural properties.	3.1.1: Identify and define the relevant problems.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	3.1.2: Define goals and alternative goals.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	3.1.3: Explore multiple solutions by organizing, prioritizing, and defending each possible solution.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
2	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations).	Direct Supervision (Simulation)
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Direct Supervision (Simulation)
4	Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Direct Supervision (Simulation)
5	Follow-up and monitor a care plan.	Direct Supervision (Simulation)
7	Identify patients at risk for prevalent diseases in a population.	Direct Supervision (Simulation)
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision (Simulation)
12	Use evidence-based information to advance patient care.	Direct Supervision (Simulation)

Course Outline including Time Allocation (proposed):

5 contact hours per week, referringes (100 percent)		
TOPIC	LECTURE	LAB
Epilepsy Pathophysiology	2	
Antiepileptic drug action	3	2
Motivational Interviewing		2
Epilepsy Pharmacotherapy	1	2
Multiple sclerosis pathophysiology, drug action and pharmacotherapy	3	2
Pain and Headache Pathophysiology	3	
Opioid and Migraine Drug action	5	
Pain and Headache Pharmacotherapy	4	8
Substance abuse	3	
Motivational Interviewing and Smoking/Alcohol Cessation		2
Teaching techniques	3	
MAPS reporting cases		2
Skill review, OSCE, case studies, landmark literature	6	6
Exams	6	
Open (2 labs due to Labor Day)	6	4
TOTAL	45	30

PH/	۹R 7	720 INT	PHTH8 I	Form El	Cou	ırse Info	rn	nation	Form (f	ormerl	y Forn	า E a	nd Form F)
I. AC	TIO	N TO BE	TAKEN:										
			MODIFY	′.OR □	DFLF	TF							
	C.			, o									
_	ocir	ad Tarm	Effoctivo	Data /6 a	liait o	ode): 2020	200	•					
				-	•	=			sta manth i	n which to	rm hagins		
///	JIE.	The Jirst J	our aigits i	maicate ye	ar, tri	e next two	uig	jits maice	ate month i	n wnich te	rm begins	•	
II CC	NI ID	SE IDENIT	IEICATION	M. DLIAD :	720 In	tograted	Dh	armacai	haranı 0				
II.CC	JUK.	SE IDENI	IFICATION			tegrated							
ı£	مامام		CTO		РГЕЈІХ,	Course Nu	IIII	ber – cou	irse ritie				
		_	urse STO		الم حاد		- 1-						
			•			at will be		iangea.					
IT (crea	iting a co	urse, com	ipiete <u>aii</u>	reiev	ant fields.	•						
							1	Г					
			CURR							T -	PROPOS		
Pref	fix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar
			Hours					PHAR	720	5	3	2	
Titl	٥.								ntegrated				
		Hours	Prereq	uisites		Co-			t Hours	Prereg		Ī	Co-requisites
C.	care	110013	110109	uisites	red	quisites		Crear	criours	110109	aisices		Co requisites
					100	14131163			4	PHAF	8 624		
Coi	ırse	/Catalog	L Description	on <i>(125 w</i>	ords)			Course	e/Catalog I	l		ords)	
		7		(==== ;;	,								the pathophysiology,
								pharma	cology, med	icinal chemi	stry, and th	nerapeu	itics associated with
													dents can design and
													those disease states.
								Emphasis will be placed on development of a clinical understanding of the disease process, the role of pharmacological intervention in the patient-					
								specific	and/or popu	ulation-base	d disease r	nanagei	ment plan and the
		<u> </u>							ment of an a				en.
Cot	ırse	Outcome	es and Ass	sessment	Plan				Outcome	es and Ass	essment	Plan	
		0 11 1	1 1	T' All				See be		1 1: -			
Cot	ırse	Outline i	ncluding	Time Allo	catioi	1			Outline in	ncluding I	ime Allo	cation	
			2/6514 61					See be	_	1			
			B/SEM, Ci	песк рох	as apı	oropriate <i>i</i>	Se	e Definiti	ions in App	endix EJ:			
		racticum											
	□ Ir	ndepende	ent Study										
В. (Colle	ege Code	: PH										
C. I	Dep	artment (Code: PHA	AR									
D. (Crec	lit Hours:											
	□v	ariable											
[□ Fixed □												
E. 1	. Minimum Credit Hours: 4												
			edit Hour										
					tiona	l credit: N	n						
	⊠ N	-			2.10	2. 30.011	-						
			s may tim	nac ranan	tad.	OR max cr	٠۵٨	lite awar	·dad·				
י H. I			o, ilidă till	ies reped	icu.	OK IIIAX CI	eu	iits awdl	ucu.				
			la.t -										
		Indergrad	iuate										
	∟ G	iraduate											

PH	PHAR 720 INTPHTH8 Form EF Course Information Form	(formerly Form E and Form F)
	☑ Professional	
l.	I. Grade Method:	
	☐ Credit/No Credit	
J.	J. Does the proposed course replace an equivalent course?	
	⊠ No	
	\square Yes – If yes, enter equivalent course:	
	Course Prefix, Number –	Course Title
K.	K. Term(s) Offered: Fall	
L.	L. Max Section Enrollment:	
	Lecture: 160	
	Lab:	
To	To be completed by Academic Affairs Office: Standards & Measures Codir	_
	\square Basic Skill (BS), \square General Education, \square Occupational Education, Gen	Ed. Codes:
UC	UCC Chair Signature & Date: Acad	lemic Affairs Approval Signature & Date:
0	OFFICE OF THE REGISTRAR USE ONLY	
	Date Rec'd: Date Completed:	
E	Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Describe and apply appropriate pharmacokinetic principles and parameters in the design of a pharmacotherapeutic regimen.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case Studies (periodic)
Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course, accounting	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
for any specific patient factors.	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Effectively counsel a patient regarding the necessary and relevant information that pertains to a patient's medications and/or health conditions using appropriate patient-friendly terminology.	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Presentation, Simulation, OSCEs- formative, OSCEs-summative (periodic)

PHAR 720 INTPHTH8 Form EF Course Information Form (formerly Form E and Form F)

Identify and describe the relevant etiology, pathophysiology, and clinical presentation associated with selected human diseases using appropriate scientific and medical terminology.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Identify and interpret appropriate laboratory parameters used to assess and monitor selected human disease and/or the efficacy and toxicity of a pharmacotherapeutic regimen.	1.1.4: Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Identify the chemical and pharmacological class to which a medication belongs and outline and prioritize pharmacologic similarities and differences for inter- and intra-class medication selection as it pertains to a specific patient.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physiochemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Predict, prevent or eliminate drug-drug interactions, drug-food interactions, drug interactions/implications with complementary and integrative medicine, and drug side effects and toxicities by applying knowledge of	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decisionmaking.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
pharmacology, pharmacokinetics and structural properties.	3.1.1: Identify and define the relevant problems.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.2: Define goals and alternative goals.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.3: Explore multiple solutions by organizing, prioritizing, and defending each possible solution.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
2	Analyze information to determine the effects of medication therapy, identify medication-related	Direct Supervision (Simulation)
	problems, and prioritize health-related needs (including immunizations).	
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the	Direct Supervision (Simulation)
	patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	
4	Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Direct Supervision (Simulation)
5	Follow-up and monitor a care plan.	Direct Supervision (Simulation)
7	Identify patients at risk for prevalent diseases in a population.	Direct Supervision (Simulation)
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision (Simulation)
12	Use evidence-based information to advance patient care.	Direct Supervision (Simulation)

Course Outline including Time Allocation (proposed):

TOPIC	LECTURE	LAB
Psychiatric Pathophysiology	8	
Antidepressant Pharmacology	5	2
Depression assessment/difficult conversations/suicidal patients		2
Physician recommendation (written/verbal) practice (mental health context)		2
Depression Pharmacotherapy	2	2
Toxicology		4
Antipsychotic and bipolar Pharmacology	4	
Schizophrenia and bipolar Pharmacotherapy	2	4
Patient counseling with mental health disease states/medications/antipsychotic and antidepressant side effects (EPS, NMS,		2
serotonin syndrome)		

PHAR 720 INTPHTH8 Form EF Course Information Form (formerly Form E and Form F)

Benzodiazepine Pharmacology	2		
Anxiety Pharmacotherapy	1		2
MTM spiraling - antipsychotic + metabolic syndrome (include clozapine)			2
Sedative hypnotic and Skeletal Muscle Relaxant Pharmacology	3		
Insomnia Pharmacotherapy	1		2
Veterinary Pharmacy	2		
Skill review, OSCE, case studies, landmark literature	3		6
Exams	9		
Open	3		
TOTAL	45	5	30

PHAR	721 INT	PHTH9 I	Form Ef	Cou	ırse Info	rmation	Form (f	ormerl	y Form	n E a	and For	m F)
	ON TO BE		_									
⊠ (CREATE, □	MODIFY	, OR □	DELE	TE							
Das	inad Tanna l	- ffootive	Data (C. d	liait a	-d-\. 2020	100						
	ired Term I E: The first f		•	•	-		ite month i	n which te	rm heains			
1401	L. THE JIISE J	our aigits i	naicate ye	.ui, tii	c next two t	aigits indice	ite month i	ii wiiicii te	in begins.			
II.COU	RSE IDENT	IFICATION	N: PHAR 7	721 In	tegrated F	harmacot	herapy 9					
			Course	Prefix,	. Course Nu	mber – Cou	rse Title					
If de	leting a co	urse STOI	P HERE.									
For i	modificatio	n, compl	ete all fie	lds th	at will be	changed.						
If cre	eating a co	urse, com	plete <u>all</u>	relev	ant fields.							
					ı							٦
D (*	Nemalara	CURRI		1 - 1-	6	D f	Normaliano	PROPO		1 - 1-		-
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
						PHAR	721	5	3	2		-
Title:						Title: I	ntegrated	Pharmaco	otherapy	9		
Cred	Credit Hours Prerequisites Co-			Co-	Credi	t Hours	Prereq	uisites		Co-		
				red	quisites					red	quisites	
Course/Catalog Description (125 words)						4 PHAR 624						
Cours	se/Catalog	Description	on (125 w	ords)			/Catalog I se will consist	•				-
							siology, phar				nd	
							tics associated that students		-			
						plans for	patients with	those disease	e states. Em	phasis v	will be	
							developmen the role of ph			-		
						specific a	nd/or popula	tion-based di	sease manag	ement	plan and	
Cours	se Outcome	es and Ass	sessment	Plan			opment of an Outcome				n.	-
Cours	oc o acconn	23 4114 713	, , , , , , , , , , , , , , , , , , , 	1 1011		See be		25 4114 7133	Coomene	1 1011		-
Cours	se Outline i	ncluding ⁻	Time Allo	catior	ı		Outline ii	ncluding T	ime Allo	ation	1	
						See be						-
A. If r	not LEC/LA	B/SEM, Cl	neck box	as app	oropriate [See Definiti	ons in App	endix E]:				-
	Practicum											
	Independe	ent Study										
B. Co	llege Code:	: PH										
C. De	partment (Code: PHA	AR .									
D. Cre	edit Hours:											
	Variable											
\boxtimes	Fixed											
E. Mi	nimum Cre	dit Hours	: 4									
	aximum Cre											
	ours may be	repeated	d for addi	tiona	l credit: No)						
	No											
	Yes – If yes	s, max tim	nes repea	ted: (OR max cr	edits awar	ded:					
H. Le												
	Undergrac	luate										
	Graduate											

PH	PHAR 721 INTPHTH9 Form EF Course Information Forn	ո (formerly Form E and Form F)						
	☑ Professional							
l.	I. Grade Method:							
	□ Standard Letter Grading □							
	☐ Credit/No Credit							
J.	J. Does the proposed course replace an equivalent course?							
	⊠ No							
	\square Yes – If yes, enter equivalent course:							
	Course Prefix, Number	- Course Title						
K.	K. Term(s) Offered: Fall							
L.	L. Max Section Enrollment:							
	Lecture: 160							
	Lab:							
	To be completed by Academic Affairs Office: Standards & Measures Cod	-						
	☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Ge	en Ed. Codes:						
UC	UCC Chair Signature & Date: Acc	ademic Affairs Approval Signature & Date:						
	OFFICE OF THE REGISTRAR USE ONLY							
	Date Rec'd: Date Completed:							
E	Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ							

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Describe and apply appropriate pharmacokinetic principles and parameters in the design of a pharmacotherapeutic regimen.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination- summative, Case Studies (periodic)
Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course, accounting for any specific patient factors.	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
Effectively counsel a patient regarding the necessary and relevant information that pertains to a patient's medications and/or health conditions using appropriate patient-friendly terminology.	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Presentation, Simulation, OSCEs- formative, OSCEs-summative (periodic)

PHAR 721 INTPHTH9 Form EF Course Information Form (formerly Form E and Form F)

Identify and describe the relevant etiology, pathophysiology, and clinical presentation associated with selected human diseases using appropriate scientific and medical terminology.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs-formative, OSCEs- summative (periodic), Case Studies (periodic)
Identify and interpret appropriate laboratory parameters used to assess and monitor selected human disease and/or the efficacy and toxicity of a pharmacotherapeutic regimen.	1.1.4: Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
Identify the chemical and pharmacological class to which a medication belongs and outline and prioritize pharmacologic similarities and differences for inter- and intra-class medication selection as it pertains to a specific patient.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physiochemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
Predict, prevent or eliminate drug-drug interactions, drug-food interactions, drug interactions/implications with complementary and integrative medicine, and drug side effects and toxicities by applying knowledge of	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decisionmaking.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
pharmacology, pharmacokinetics and structural properties.	3.1.1: Identify and define the relevant problems.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	3.1.2: Define goals and alternative goals.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	3.1.3: Explore multiple solutions by organizing, prioritizing, and defending each possible solution.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA	Level
Analyze information to determine the effects of medication therapy, identify medication-related	Direct Supervision (Simulation)
problems, and prioritize health-related needs (including immunizations).	
Establish patient-centered goals and create a care plan for a patient in collaboration with the	Direct Supervision (Simulation)
patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	
Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Direct Supervision (Simulation)
Follow-up and monitor a care plan.	Direct Supervision (Simulation)
Identify patients at risk for prevalent diseases in a population.	Direct Supervision (Simulation)
Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision (Simulation)
Use evidence-based information to advance patient care.	Direct Supervision (Simulation)
	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations). Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective. Implement a care plan in collaboration with the patient, caregivers, and other health professionals. Follow-up and monitor a care plan. Identify patients at risk for prevalent diseases in a population. Educate patients and professional colleagues regarding the appropriate use of medications.

Course Outline including Time Allocation (proposed):

TOPIC	LECTURE	LAB
Principles of Chemotherapy	3	
Oncologic Pathophysiology	8	
Chemotherapeutic drug action	13	
Chemotherapy Calculations & Verification		2
Chemo Induced nausea/vomiting	1	
Breast cancer		2
Prostate cancer		2
Skeletal complications & hypercalcemia of malignancy	1	
Chemotherapy: Oral Oncolytics – counseling		2

PHAR 721 INTPHTH9 Form EF Course Information Form (formerly Form E and Form F)

Lung cancer		2
Colon cancer		2
Myeloid growth factors	1	
Chemo administration calculation review		2
Acute Leukemias		2
Chronic Leukemias		2
Supportive Care – Tumor Lysis	1	
Bone Marrow Transplant	1	
Cancer detection, prevention, risk reduction	1	
Oncology clinical trials, clinical protocols, side effect management (extravasation/neutropenia)		2
Palliative Care / Hospice / End-of-Life Care	2	
Transplant drug action	1	
Lymphomas		2
Multiple myeloma		2
Management of transplant patients cases		2
Exams	8	
Open (3 lectures/2 labs due to Thanksgiving break)	4	4
TOTAL	45	30

PH/	PHAR 722 INTPHTH10 Form EF Course Information Form (formerly Form E and Form F)												
I. AC	ACTION TO BE TAKEN:												
			MODIFY	/. OR □	DELE	TE							
		-, —		,									
D	Desired Term Effective Date (6-digit code): 202008												
	NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.												
, •	No.121 The Just Jour digits maleute year) the next two digits maleute month in which term begins.												
II.CC	.COURSE IDENTIFICATION: PHAR 722 Integrated Pharmacotherapy 10												
						, Course Nu							
If	dele	eting a co	urse STO		,	,							
		_			lds th	nat will be	ch	anged.					
			•			ant fields.							
•••	.		u. 50, 00	.p.c.c <u>u</u>									
			CURR	FNT							PROPOS	FD	
Pre	fix	Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar
			Hours					_		Hours			
								PHAR	722	5	3	2	
Titl	e:							Title: I	ntegrated	Pharmaco	otherapy	10	
Cr	edit	Hours	Prereq	uisites		Co-		Credi	t Hours	Prereq	uisites		Co-requisites
					red	quisites							
									4	PHAF	R 721		
Cou	urse	/Catalog	Description	on <i>(125 w</i>	ords)				/Catalog I				
													the pathophysiology,
													itics associated with dents can design and
													those disease states.
													cal understanding of the
													vention in the patient- ment plan and the
									ment of an a				
Coı	urse	Outcome	es and Ass	sessment	Plan				Outcome				
								See be	low				
Cou	urse	Outline i	ncluding ¹	Time Allo	catior	า		Course	Outline i	ncluding 1	ime Allo	cation	
								See be					
A. I	If no	t LEC/LAI	B/SEM, Cl	neck box	as app	oropriate	Se	e Definiti	ions in App	endix E]:			
	□ P	racticum											
	□ Ir	ndepende	ent Study										
		ege Code	•										
		_	Code: PHA	ΔR									
		dit Hours:											
		ariable											
		ixed											
			. al:E	4									
			edit Hours										
			edit Hour:										
		-	e repeate	a tor addi	tiona	l credit: N	0						
	⊠ N												
			s, max tin	nes repea	ted: (OR max cr	ed	lits awar	ded:				
H. I	Leve	els:											
	□ U	Indergrad	duate										
	□ G	raduate											

Pŀ	HAR 722 INTPHTH10 Form EF Course Informatio	n Form (formerly Form E and Form F)									
	□ Professional										
l.	Grade Method:										
	☐ Credit/No Credit										
J.	Does the proposed course replace an equivalent course?										
	⊠ No										
	\square Yes – If yes, enter equivalent course:										
	Course Prefix, N	umber – Course Title									
K.	Term(s) Offered: Spring										
L.	Max Section Enrollment:										
	Lecture: 160										
	Lab:										
	o be completed by Academic Affairs Office: Standards & Measu ☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Educat										
L	□ basic Skiii (BS), □ General Education, □ Occupational Educat	ion, Gen Ea. Codes:									
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:									
О	PFFICE OF THE REGISTRAR USE ONLY										
D	ate Rec'd: Date Completed:										
Ei	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ										

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Describe and apply appropriate pharmacokinetic principles and parameters in the design of a pharmacotherapeutic regimen.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	1.1: Foundational Knowledge	Examination-formative, Examination- summative, Case Studies (periodic)
Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course, accounting for any specific patient factors.	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
Effectively counsel a patient regarding the necessary and relevant information that pertains to a patient's medications and/or health conditions using appropriate patient-friendly terminology.	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Presentation, Simulation, OSCEs- formative, OSCEs-summative (periodic)

PHAR 722 INTPHTH10 Form EF Course Information Form (formerly Form E and Form F)

Identify and describe the relevant etiology, pathophysiology, and clinical presentation associated with selected human diseases using appropriate scientific and medical terminology.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
Identify and interpret appropriate laboratory parameters used to assess and monitor selected human disease and/or the efficacy and toxicity of a pharmacotherapeutic regimen.	1.1.4: Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
Identify the chemical and pharmacological class to which a medication belongs and outline and prioritize pharmacologic similarities and differences for inter- and intra-class medication selection as it pertains to a specific patient.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physiochemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examinations-formative, Examinationsummative, OSCEs-formative, OSCEssummative (periodic), Case Studies (periodic)
Predict, prevent or eliminate drug-drug interactions, drug-food interactions, drug interactions/implications with complementary and integrative medicine, and drug side effects and toxicities by applying knowledge of	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decisionmaking.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
pharmacology, pharmacokinetics and structural properties.	3.1.1: Identify and define the relevant problems.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	3.1.2: Define goals and alternative goals.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	3.1.3: Explore multiple solutions by organizing, prioritizing, and defending each possible solution.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)
	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs- summative (periodic), Case Studies (periodic)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
2	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations).	Direct Supervision (Simulation)
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Direct Supervision (Simulation)
4	Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Direct Supervision (Simulation)
5	Follow-up and monitor a care plan.	Direct Supervision (Simulation)
7	Identify patients at risk for prevalent diseases in a population.	Direct Supervision (Simulation)
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision (Simulation)
12	Use evidence-based information to advance patient care.	Direct Supervision (Simulation)

Course Outline including Time Allocation (proposed):

TOPIC	LECTURE	LAB
Principles of Geriatric Pharmacotherapy and Pharmacokinetics	3	
LTC chart review - clinical considerations (documentation, recommendations)		2
Geriatric Pathophysiology	3	
Alzheimer's disease	1	2
IPE comp day		2
Parkinson's Disease Drug action and Pharmacotherapy	3	4
Urinary Incontinence Drug action and Pharmacotherapy	2	2
Pathophysiology of osteoarthritis, rheumatoid arthritis, lupus, psoriasis and gout	4	

PHAR 722 INTPHTH10 Form EF Course Information Form (formerly Form E and Form F)

Gout Drug action	1	
Free/discount drug programs	1	
Rheumatoid arthritis/psoriasis/lupus DMARDS Drug action	3	
Age appropriate health maintenance screenings		2
Osteoarthritis, RA, lupus, psoriasis and gout Pharmacotherapy	3	2
Osteoporosis Pathophysiology, Drug action and Pharmacotherapy	3	
Ventilators/Oxygen/Tubes/Catheters		2
ICU Supportive Care		2
Menstrual Cycle Physiology, Menopause Pathophysiology and Pharmacotherapy	3	
Skill review, OSCE, case studies, landmark literature	3	6
Exams	9	
Open (2 labs due to MLK Day)	3	4
TOTAL	45	39

I. ACTIO	723 INT ON TO BE	TAKEN:				OI	rmatio	n Form (forme	rly For	m E	and Fo	orm F)
	red Term E: The first f		•	_	-			ite month i	n which te	rm begins			
If del	RSE IDENT leting a co nodification eating a co	urse STOI on, compl	Course P HERE. ete all fie	Prefix, elds th	Course Nu	cl	ber – Cou		1				
		CURRI	ENT						PROPO	SED			7
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	- -
							PHAR	723	5	3	2		
Title:		•		1					Pharmaco	otherapy	11		
Cred	it Hours	Prereq	uisites		Co-		Credi	t Hours	Prereq	uisites		Co-	
				rec	uisites						rec	quisites	_
	15							4	PHAF				_
Cours	e/Catalog	Description	on <i>(125 w</i>	ords)					Description of extensive				_
Course	0.1			Diam			states so plans for placed or process, t specific a the devel	that students patients with developmen the role of phand/or population opment of an	d with common can design a those disease to fa clinical armacologica tion-based disease appropriate	nd manage of e states. Em understandi I interventio sease manag therapeutic	drug-relation of the sement property of the sement property or the sement property of the sement programs of the s	ated care vill be e disease patient- plan and	
Cours	e Outcome	es and Ass	sessment	Plan					es and Ass	essment	Plan		4
C	- 041: :		T: All.				See be		ll:	" All-	4 !		4
Cours	e Outline i	ncluding	lime Allo	cation	1				ncluding T	ime Allo	cation		4
۸ ۱۲ -		D/CENA CI					See be		1				_
	ot LEC/LAI	B/SEM, Cr	neck box	as app	propriate [Se	e Definiti	ons in App	endix EJ:				
	Practicum Independe lege Code	•											
	partment (ΑR										
	dit Hours:												
	Variable												
	Fixed												
	nimum Cre	dit Hours	: 4										
	ximum Cre												
	urs may be			tional	credit: N	0							
	-	repeated	a ioi auui	uond	cieuit. Ni	U							
				التنا	30		dia -	اد داد					
	Yes – If ye:	s, max tim	ies repea	tea: (אכ max cr	ec	aits awar	aea:					
H. Lev													
	Undergrad	luate											
	Graduate												

Pŀ	HAR 723 INTPHTH11 Form EF Course Informatio	n Form (formerly Form E and Form F)
	□ Professional	
l.	Grade Method:	
	Standard Letter Grading	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
	⊠ No	
	\square Yes – If yes, enter equivalent course:	
	Course Prefix, N	Iumber – Course Title
K.	Term(s) Offered: Spring	
L.	Max Section Enrollment:	
	Lecture: 160	
	Lab:	
	o be completed by Academic Affairs Office: Standards & Measu \Box Basic Skill (BS), \Box General Education, \Box Occupational Educat	
<u> </u>	d basic skiii (63), 🖂 General Education, 🗀 Occupational Educat	ion, Gen Ed. Codes.
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
О	PFFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	
Ei	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational	Means of Assessment
Describe and apply appropriate pharmacokinetic principles and parameters in the design of a pharmacotherapeutic regimen.	1.1.5: Apply the mathematical skills required to accurately dose therapeutic drug regimens and determine dosage preparations (including extemporaneously compounded dosage forms) that are therapeutically sound and safe for patient use.	Standard 1.1: Foundational Knowledge	Examination-formative, Examination-summative, Case Studies (periodic)
Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course, accounting	1.1.10: Apply knowledge in foundational sciences to solve therapeutic problems and advance patient-centered care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
for any specific patient factors.	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	1.1.12: Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Effectively counsel a patient regarding the necessary and relevant information that pertains to a patient's medications and/or health conditions using appropriate patient-friendly terminology.	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Presentation, Simulation, OSCEs- formative, OSCEs-summative (periodic)

PHAR 723 INTPHTH11 Form EF Course Information Form (formerly Form E and Form F)

Identify and describe the relevant etiology, pathophysiology, and clinical presentation associated with selected human diseases using appropriate scientific and medical terminology.	1.1.1: Apply the basic principles, mechanisms, and metabolic sequelae of human disease.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Identify and interpret appropriate laboratory parameters used to assess and monitor selected human disease and/or the efficacy and toxicity of a pharmacotherapeutic regimen.	1.1.4: Apply the clinical laboratory data to disease state management, including screening, diagnosis, progression, and treatment evaluation.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Identify the chemical and pharmacological class to which a medication belongs and outline and prioritize pharmacologic similarities and differences for inter- and intra-class medication selection as it pertains to a specific patient.	1.1.2: Apply the chemical basis of drug action, with an emphasis on the application of physiochemical properties, structure-activity relationships, receptor binding, and metabolism to therapeutic decision making.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
Predict, prevent or eliminate drug-drug interactions, drug-food interactions, drug interactions/implications with complementary and integrative medicine, and drug side effects and toxicities by applying knowledge of	1.1.3: Apply the mechanisms of therapeutic and adverse drug action and interaction, and application of these principles to therapeutic decisionmaking.	1.1: Foundational Knowledge	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
pharmacology, pharmacokinetics and structural properties.	3.1.1: Identify and define the relevant problems.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.2: Define goals and alternative goals.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.3: Explore multiple solutions by organizing, prioritizing, and defending each possible solution.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)
	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Examinations-formative, Examination- summative, OSCEs- formative, OSCEs-summative (periodic), Case Studies (periodic)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
2	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations).	Direct Supervision (Simulation)
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Direct Supervision (Simulation)
4	Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Direct Supervision (Simulation)
5	Follow-up and monitor a care plan.	Direct Supervision (Simulation)
7	Identify patients at risk for prevalent diseases in a population.	Direct Supervision (Simulation)
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision (Simulation)
12	Use evidence-based information to advance patient care.	Direct Supervision (Simulation)

Course Outline including Time Allocation (proposed): Express time allocation in one of the following formats for a 3 credit hour course; adjust accordingly: Weeks (15 weeks), Hours (45 hours, assuming 3 contact hours per week, Percentages (100 percent)

TOPIC	LECTURE	LAB
Osteoporosis Drug action and Pharmacotherapy	3	2
Estrogens/Progestins/Combinations	4	
Perioperative Care		2
Pregnancy/Lactation		2
Hormonal contraception	2	2
Endometriosis, Pregnancy and Lactation	3	
Emergency contraception		2
OTC recap: Pregnancy tests/IUD/spermicide		2
Benign prostatic hyperplasia Pathophysiology, Drug action and Pharmacotherapy	3	2
Erectile Dysfunction Pathophysiology, Drug action and Pharmacotherapy	3	
Cystic Fibrosis Pathophysiology, Drug action and Pharmacotherapy	3	2

PHAR 723 INTPHTH11 Form EF Course Information Form (formerly Form E and Form F)

IPE comp day		2
ADHD Pathophysiology and Drug action	3	2
Surgical Prophylaxis		2
Obesity Pathophysiology and Drug action	3	
Eating Disorders/Anorexia PK		2
Principles of Pediatric Pharmacotherapy and Pharmacokinetics	3	
Skill review, OSCE, case studies, landmark literature	3	6
Exams	9	
Open	3	
TOTAL	45	30

PHAR	724 INT	PHTH12	Form E	EF Co	ourse Info	ormatio	n Form ((forme	rly For	m E	and Form F)
I. ACTI	ON TO BE	TAKEN:									
\boxtimes (□ CREATE, □ MODIFY, OR □ DELETE										
	, —		,								
Des	ired Term	Effective	Date (6-d	ligit co	nde): 2020	08					
			-	_	-		ate month i	in which te	rm beains	_	
,,,,,	NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.										
II.COU	RSE IDENT	IFICATION	N: PHAR 7	724 In	tegrated P	harmacot	herapy C	apstone			
					Course Nu			.,			
If de	leting a co	urse STO		,							
	modificatio			lds th	at will be	changed.					
	eating a co	-				Ū					
				•							
		CURR	ENT						PROPOSE	ED.	
Prefix	Number	Contact	Lecture	Lab	Seminar	Prefix	Number	Contact	Lecture	Lab	Seminar
		Hours						Hours			
						PHAR	724	6	4	2	
Title:						Title: I	ntegrated	Pharmac	otherapy	Capst	one
Cred	dit Hours	Prereq	uisites		Co-	Credi	t Hours	Prereq	uisites		Co-requisites
				rec	quisites						
							5	PHAF			
Cours	se/Catalog	Description	on <i>(125 w</i>	ords)				Description			
											the pathophysiology, Itics associated with
											dents can design and
						manage	drug-relate	d care plans	for patient	ts with t	those disease states.
											cal understanding of the
											vention in the patient- ment plan and the
								appropriate			
Cours	se Outcome	es and As	sessment	Plan		Course	Outcome	es and Ass	essment	Plan	
						See be	low				
Cours	se Outline i	ncluding	Time Allo	catior	1	Course	Outline i	ncluding 1	Time Allo	cation	
						See be	low				
A. If r	not LEC/LA	B/SEM, Cl	heck box	as app	oropriate [See Definiti	ons in App	endix E]:			
	Practicum										
	Independe	ent Study									
	llege Code	•									
	partment (AR								
	· edit Hours:										
	Variable										
	⊠ Fixed										
	. Maximum Credit Hours: 5										
				tiona	l cradit: No	,					
	 Hours may be repeated for additional credit: No ⊠ No 										
					0 D	151 .					
	Yes – If ye	s, max tin	nes repea	tea: (UK max cre	edits awar	aed:				
H. Le											
	Undergrad	duate									
	Graduate										

Pŀ	PHAR 724 INTPHTH12 Form EF Course Information Form	(formerly Form E and Form F)
	☑ Professional	
I.	I. Grade Method:	
	Standard Letter Grading	
	☐ Credit/No Credit	
J.	J. Does the proposed course replace an equivalent course?	
	⊠ No	
	\square Yes – If yes, enter equivalent course:	
	Course Prefix, Number –	Course Title
K.	K. Term(s) Offered: Spring	
L.	L. Max Section Enrollment:	
	Lecture: 160	
	Lab:	
<i>T</i> 6	To be completed by Academic Affairs Office: Standards & Measures Codin ☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen	_
UC	UCC Chair Signature & Date: Acad	emic Affairs Approval Signature & Date:
	OFFICE OF THE DECISTRAD HEE ONLY	
_	OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed:	
	Entered: SCACRSE, SCADETL, SCAPREQ	

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course, accounting for any specific patient	2.1.3: Prioritize patient needs.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Examination-formative, Examination-summative, OSCE-summative, Case studies, Simulation
factors.	2.1.4: Formulate evidence-based care plans, and care transitions with consideration of the unique needs of the patient while emphasizing the need for patients to take responsibility for the control of their health.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Examination-formative, Examination-summative, OSCE-summative, Case studies, Simulation
	3.1.5: Recommend the most viable solution, including monitoring parameters, to measure intended and unintended consequences.	3.1: Problem-Solving	Examination-formative, Examination-summative, OSCE-summative, Case studies, Simulation
	3.1.6: Reflect on the solution recommended and its effects to improve future performance.	3.1: Problem-Solving	Reflection, Case studies, simulation
Design systematic preventative care, using risk assessment, risk reduction, screening, education, and immunizations to improve health and wellness.	2.3.1: Design systematic preventative care, using risk assessment, risk reduction, screening, education, and immunizations to improve health and wellness.	2.3: Health and Wellness	Case studies, simulation

PHAR 724 INTPHTH12 Form EF Course Information Form (formerly Form E and Form F)

		, , , , , , , , , , , , , , , , , , ,	,
Evaluate personal, social, economic, and environmental conditions to maximize health and wellness.	2.3.2: Evaluate personal, social, economic, and environmental conditions to maximize health and wellness.	2.3: Health and Wellness	Case studies, simulation
Assess the healthcare status and needs of a targeted patient population.	2.4.1: Assess the healthcare status and needs of a targeted patient population.	2.4: Population-Based Care	Case studies, simulation
Develop and provide an evidence- based approach to population health management that considers the cost, care, access, and satisfaction needs of a targeted patient population.	2.4.2: Develop and provide an evidence- based approach to population health management that considers the cost, care, access, and satisfaction needs of a targeted patient population.	2.4: Population-Based Care	Case studies, simulation
Conduct a learning needs assessment of constituents who would benefit from pharmacist-delivered education (e.g., patients/caregivers, technicians and interns, pharmacy students, fellow pharmacists, other healthcare providers, legislators).	3.2.1: Conduct a learning needs assessment of constituents who would benefit from pharmacist-delivered education (e.g., patients/caregivers, technicians and interns, pharmacy students, fellow pharmacists, other healthcare providers, legislators).	3.2: Education	Case studies, simulation
Develop or select the most effective techniques/strategies to achieve learning objectives.	3.2.2: Develop or select the most effective techniques/strategies to achieve learning objectives.	3.2: Education	Presentation
Demonstrate the ability to coordinate educational efforts with other healthcare providers, when appropriate, to ensure a consistent, comprehensive, and team-based encounter.	3.2.3: Demonstrate the ability to coordinate educational efforts with other healthcare providers, when appropriate, to ensure a consistent, comprehensive, and team-based encounter.	3.2: Education	Presentation
Ensure instructional content contains the most current information relevant for the intended audience.	3.2.4: Ensure instructional content contains the most current information relevant for the intended audience.	3.2: Education	Presentation
Adapt instruction and deliver to the intended audience.	3.2.5: Adapt instruction and deliver to the intended audience.	3.2: Education	Presentation
Deliver and obtain feedback to assess learning and promote goal setting and goal attainment for the intended audience.	3.2.6: Deliver and obtain feedback to assess learning and promote goal setting and goal attainment for the intended audience.	3.2: Education	Presentation, Case studies
Recognize the collective identity and norms of different cultures without overgeneralizing (i.e., recognize and avoid biases and stereotyping)	3.4.1: Recognize the collective identity and norms of different cultures without overgeneralizing (i.e., recognize and avoid biases and stereotyping).	3.5: Cultural Sensitivity	Case studies, simulation
Actively listen and ask appropriate open and closed-ended questions to gather information.	3.5.2: Actively listen and ask appropriate open and closed-ended questions to gather information.	3.6: Communication	Simulation, OSCE- summative
Use available technology and other media to effectively communicate and document.	3.5.3: Use available technology and other media to effectively communicate and document.	3.6: Communication	Presentation
Use effective interpersonal skills to establish rapport and build trusting relationships.	3.5.4: Use effective interpersonal skills to establish rapport and build trusting relationships.	3.6: Communication	Simulation, OSCE- summative
			100

PHAR 724 INTPHTH12 Form EF Course Information Form (formerly Form E and Form F)

Demonstrate empathy when interacting with others.	3.5.6: Demonstrate empathy when interacting with others.	3.6: Communication	Simulation, OSCE- summative
Effectively function in a team or group to achieve or enhance goals and objectives.	4.2.3: Effectively function in a team or group to achieve or enhance goals and objectives.	4.2: Leadership	Case studies, simulation

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
1	Collect information to identify a patient's medication related problems and health-related	Direct Supervision
	needs.	(Simulation)
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the	Direct Supervision
	patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	(Simulation)
4	Implement a care plan in collaboration with the patient, caregivers, and other health	Direct Supervision
	professionals.	(Simulation)
5	Follow-up and monitor a care plan.	Direct Supervision
		(Simulation)
7	Identify patients at risk for prevalent diseases in a population.	Direct Supervision
		(Simulation)
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Direct Supervision
		(Simulation)
12	Use evidence-based information to advance patient care.	Direct Supervision
		(Simulation)

Course Outline including Time Allocation (proposed):

TOPIC	LECTURE	LAB
PCOA Review	10	
APPE Bootcamp – Ambulatory Care	2	8
APPE Bootcamp – Community Pharmacy	2	8
Pharmacotherapeutics Review – Cardiovascular	5	
APPE Bootcamp – Emergency Room	1	4
Pharmacotherapeutics Review – Endocrine	2	
Pharmacotherapeutics Review – Respiratory	2	
Pharmacotherapeutics Review – Infectious Diseases	6	
APPE Bootcamp – Hospital Admission	1	4
APPE Bootcamp – Hospital Discharge	1	4
Pharmacotherapeutics Review – Psychiatry	2	
Pharmacotherapeutics Review – Neurology	3	
Pharmacotherapeutics Review – Gastrointestinal	1	
Pharmacotherapeutics Review – Renal	1	
Pharmacotherapeutics Review – Pediatrics	1	
Pharmacotherapeutics Review – Oncology	2	
Pharmacotherapeutics Review – Aging	2	
Pharmacotherapeutics Review – Women's Health	1	
Exams	8	
Open (3 lectures/1 lab due to Mid-semester break)	7	2
TOTAL	60	30

PHA	٩R ٔ	730 PPN	<mark>/12 Form</mark>	n EF Cou	ırse	Informa	tic	on Forr	n (form	erly Fo	rm E a	and I	Form F)
I. AC	стіо	N TO BE	TAKEN:										
\boxtimes	CF	REATE, 🗆	MODIFY	/, OR □	DELE	TE							
D	esir	ed Term	Effective	Date (6-c	ligit c	ode): 202	00	8					
Ν	OTE.	: The first f	our digits i	indicate ye	ear, th	e next two	dig	gits indica	ite month i	in which te	rm begins		
II.CC	DUR	SE IDENT	IFICATION			-			anagemer	nt 2			
					Prefix,	, Course Νι	ımı	ber – Cou	rse Title				
		eting a co											
			•			nat will be		nanged.					
IT	crea	ating a co	urse, com	ipiete <u>aii</u>	reiev	ant fields	•						
			CURR	ENIT							PROPOS	ED	
Pre	fix	Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar
			Hours							Hours			
								PHAR	730	3	3		
Tit			ı		ı			1	harmacy			ent 2	
Cı	redi	t Hours	Prereq	uisites		Co-		Credi	t Hours	Prereq	uisites		Co-requisites
					red	quisites			2	DLIAF	. 620		
Co	urco	e/Catalog	Description	on /125 w	ords)			Course	3 :/Catalog I	PHAF		ords)	
CO	urse	Catalog	Description	JII (123 W	Jiusj								of pharmaceutical supply chains
								including	basic reimbu	rsement; thir	d party and	manage	d care systems; and fundamental
													e principles of managerial decisions; as well as
		<u> </u>							anagement a				rmatics.
Co	urse	Outcome	es and Ass	sessment	Plan				Outcome	es and Ass	essment	Plan	
Co	urco	Outline i	ncluding.	Time Allo	cation	1		See be	Outline ii	ncluding T	ima Alla	cation	
CO	urse	Outilie	ncidanig	TITLE ALLO	catioi	1		See be		ilciuumg i	IIIIE Allo	cation	
Α.	If no	ot LEC/LA	B/SEM. Cl	heck box	as apı	oropriate	[Se		ons in App	endix El:			
		Practicum	•					, -					
		ndepende											
		ege Code	-										
		artment (AR									
D.	Cred	dit Hours:											
	\Box \	/ariable											
	⊠ F	ixed											
E.	Min	imum Cre	edit Hours	s: 3									
F.	Max	kimum Cr	edit Hour	s: 3									
G.	Hou	ırs may be	e repeate	d for add	tiona	l credit: N	0						
	\boxtimes N	No											
	□ Y	es – If ye	s, max tin	nes repea	ted:	OR max c	rec	dits awar	ded:				
H.	Leve	els:											
	□ ι	Jndergrad	luate										
		Graduate											
	⊠ F	Profession	ıal										
l.	Gra	de Metho	d:										

PH	HAR 730 PPM2 Form EF Course Information For	m (formerly Form E and Form F)
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
	⊠ No	
	\square Yes – If yes, enter equivalent course:	
	Course Prefix, N	lumber – Course Title
K.	Term(s) Offered: Fall	
L.	Max Section Enrollment:	
	Lecture: 160	
	Lab:	
To	o be completed by Academic Affairs Office: Standards & Measu	_
	\square Basic Skill (BS), \square General Education, \square Occupational Educa	tion, Gen Ed. Codes:
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
I Ei	ntered: \square $SCACRSE$. \square $SCADETL$. \square $SCARRES$. \square $SCAPREO$	

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Anticipate outcomes associated with alternatives when resolving problems in medication use systems.	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Examination- formative, case studies
Apply the fundamental pharmacoeconomic tools (cost-minimization, cost-effectiveness, cost-benefit and cost-utility) to the appropriate situation to determine the appropriate use of health care financial resources including pharmaceuticals as wells as pharmacy services (e.g. clinical pharmacy services or medication therapy management services).	2.3.2: Evaluate personal, social, economic, and environmental conditions to maximize health and wellness.	2.3: Health and Wellness	Examination- formative, case studies
Describe the fundamental fiscal principles that assist the pharmacy manager in identifying the success of their business, plan for an operational budget; and apply them to the management of a contemporary pharmacy service.	2.2.3: Utilize human, financial, and physical resources to optimize the medication use system.	2.2: Medication System Use	Examination- formative, case studies
Evaluate and interpret professional, lay and scientific pharmacoeconomic literature and apply it to evidence based therapeutic decisions.	1.1.11: Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies.	1.1: Foundational Knowledge	Examination- formative, case studies
	2.4.2: Develop and provide an evidence-based approach to population health management that considers the cost, care, access, and satisfaction needs of a targeted patient population.	2.4: Population- Based Care	

PHAR 730 PPM2 Form EF Course Information Form (formerly Form E and Form F)

Evaluate the strategies used to effectively manage a project related to a pharmacy operation; and plan a simple project related to a pharmacy operational change or implementation.	4.2.1: Demonstrate the ability to lead a project, organization, team or event.	4.2: Leadership	Examination- formative, case studies
	4.3.1: Demonstrate creative design, decision making, and solutions when confronted with novel problems, challenges or unmet needs.	4.3: Innovation and Entrepreneurship	
Recommend relevant informatics tools that are relevant to the delivery of patient centered pharmacy services, product distribution and relevant health care services.	2.2.2: Utilize informatics to optimize the medication use system.	2.2: Medication System Use	Examination- formative, case studies
Write a business plan for a contemporary pharmacy service.	4.2.1: Demonstrate the ability to lead a project, organization, team or event.	4.2: Leadership	Examination- formative, class project
	4.2.2: Exhibit the ability to effectively communicate expectations, affect change, build consensus, appropriately utilize personnel and resources, and develop a shared set of goals.	4.2: Leadership	
	4.3.1: Demonstrate creative design, decision making, and solutions when confronted with novel problems, challenges or unmet needs.	4.3: Innovation and Entrepreneurship	
	4.3.2: Develop a plan for a pharmacy service which includes organization, risk assessment and mitigation and resource identification and feasibility.	4.3: Innovation and Entrepreneurship	

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
13	Oversee the pharmacy operations for an assigned work shift.	Direct Supervision
		(Simulation)

Course Outline including Time Allocation (proposed):

TORIC	HOUR
TOPIC	HOURS
Introduction to financial statements, ratios and the business plan	6
Pharmacy informatics	6
Managing inventory and quality in pharmaceuticals purchasing	3
Calculating cost-to-dispense	1
Project Management and Business Planning	9
Leadership and entrepreneurship	3
Pharmaceutical Pricing	3
Principles of pharmacoeconomics	12
Exams (not including final exam)	2
TOTAL	45

				EF Cou	rse Ir	ıformati	or	n Form	(torme	erly For	m E ar	nd F	orm F)	
		ON TO BE		, op □	DELE	- -								
	ı Cı	REATE, □	WODIF	, UK \square	DELE	16								
_	\: .	d T		Data IC a	J:_:4	- d-\. 202(200	n						
	Desired Term Effective Date (6-digit code): 202008													
/V	NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.													
II CO	OUR	SE IDENT	IFICATION	Ν· ΡΗΔΒ :	735 Pł	narmacy I	aw	v						
11.00	0011	SE IDEI	II ICATIOI			Course Nu			rse Title					
If	del	eting a co	urse STO			Course M	*****	oc. cou	750 77670					
		odification			elds th	at will be	ch	nanged.						
		ating a co	•											
				- p			-							
			CURR	ENT							PROPO	SED		
Pre	efix	Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar	
			Hours					DUAD	725	Hours	2			
T:+	ا ما							PHAR	735	2	2			
Tit		t Hours	Droros	uicitos		Co-			harmacy t Hours	1	uicitos		Co-requisites	
	reui	t Hours	Freieq	uisites	rec	quisites		Credi	t Hours	Prereq	uisites		Co-requisites	
					100	14131103	1		2	PHAF	3 630			
Со	urse	e/Catalog	Description	on <i>(125 w</i>	ords)			Course	/Catalog	Description		ords)		
		,	•										actice, including the	
												•	practice. Federal and state	
													at impact on the practice of	
Co	urse	Outcome	es and Ass	sessment	Plan			pharmacy in the institutional as well as community settings are covered. Course Outcomes and Assessment Plan						
								See below						
Со	urse	Outline i	ncluding	Time Allo	catior	າ		Course Outline including Time Allocation						
								See be						
A.	If no	ot LEC/LA	B/SEM, Cl	neck box	as app	propriate	[Se	e Definiti	ons in App	endix E]:				
		Practicum												
	\Box I	ndepende	ent Study											
B.	Coll	ege Code	: PH											
C.	Dep	artment (Code: PHA	AR										
D.	Cre	dit Hours:												
	\Box \	/ariable												
	\boxtimes F	ixed												
E.	Min	imum Cre	edit Hours	s: 2										
F.	Max	ximum Cr	edit Hour	s: 2										
G.	Ηοι	ırs may be	e repeate	d for add	itiona	credit: N	o							
	\boxtimes 1	No												
		es – If ye	s, max tin	nes repea	ited: (OR max cı	ed	lits awar	ded:					
Н.		•		•										
	\Box (Jndergrad	duate											
		Graduate												
	□ Professional													
l.	Gra	de Metho	d:											

PH	IAR 735 LAW Form EF Course Information Forr	n (formerly Form E and Form F)
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course	?
	⊠ No	
	\square Yes – If yes, enter equivalent course:	
	Course Prefix,	Number – Course Title
K.	Term(s) Offered: Spring	
L.	Max Section Enrollment:	
	Lecture: 160	
	Lab:	
	o be completed by Academic Affairs Office: Standards & Meas	
	Basic Skill (BS), General Education, Occupational Education	ition, Gen Ed. Codes:
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
_	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
I EI	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment	
Describe professional malpractice and other liability concerns for pharmacists and pharmacies including medication error and prevention.	2.2.4: Apply standards, guidelines, best practices, and established processes related to safe and effective medication use in different pharmacy practice settings.	2.2: Medication System Use	Formative Examination; Summative Examination	
prevention.	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem-Solving		
Describe professional malpractice and other liability concerns for pharmacists and pharmacies including medication error and prevention.	4.4.2: Deliver patient-centered care in a manner that is legal, ethical, and compassionate.	4.4: Professionalism	Formative Examination; Summative Examination	
Identify and describe legal issues with ethical implications.	4.4.2: Deliver patient-centered care in a manner that is legal, ethical, and compassionate.	4.4: Professionalism	Formative Examination; Summative Examination	
Identify the relevant laws that influence the different aspects of managing a pharmacy.	2.2.3: Utilize human, financial, and physical resources to optimize the medication use system.	2.2: Medication System Use	Formative Examination; Summative	
	3.3.2: Define clear roles and responsibilities for healthcare team members to optimize outcomes for specific patient care encounters.	3.4: Interprofessional Collaboration	Examination	
	4.3.2: Develop a plan for a pharmacy service which includes organization, risk assessment and mitigation and resource identification and feasibility.	4.3: Innovation and Entrepreneurship		

PHAR 735 LAW Form EF Course Information Form (formerly Form E and Form F)

Interpret federal and state laws and regulations concerning compounding and apply them to practice scenarios.	2.2.1: Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2: Medication System Use	Formative Examination; Summative Examination
Interpret federal and state laws and regulations governing medications and natural products.	2.2.1: Competently perform in all areas of a typical medication use systems (i.e., procurement, storage, prescribing, transcription, dispensing, administration, monitoring, documentation, transitions of care and emergency preparedness).	2.2: Medication System Use	Formative Examination; Summative Examination
	4.4.2: Deliver patient-centered care in a manner that is legal, ethical, and compassionate.	4.4: Professionalism	
Interpret federal and state regulations and laws governing pharmacy practice and apply them to practice scenarios.	2.2.4: Apply standards, guidelines, best practices, and established processes related to safe and effective medication use in different pharmacy practice settings.	2.2: Medication System Use	Formative Examination; Summative Examination
Interpret state and federal laws and regulation regarding controlled substances including mitigation of drug abuse and controlled substance diversion.	1.1.8: Apply the federal and appropriate state- specific statutes that regulate the practice of pharmacy, along with relevant civil and contract law.	1.1: Foundational Knowledge	Formative Examination; Summative Examination
	2.1.1: Collect subjective and objective evidence (including socioeconomic, cultural) related to patient, medications, allergies/adverse reactions, and disease.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	LAGIIIIIdUUII
Summarize the differences between administrative, civil and criminal law as applied to pharmacy practice.	1.1.8: Apply the federal and appropriate state- specific statutes that regulate the practice of pharmacy, along with relevant civil and contract law.	1.1: Foundational Knowledge	Formative Examination; Summative Examination

Course Outline including Time Allocation (proposed):

TOPIC	HOURS
Course introduction and introduction to sources of authority affecting the practice of pharmacy including federal law,	2
controlled substances regulations, relevant state law and regulations	
Enforcement agencies and regulatory bodies (Board, Food and Drug Administration, Drug Enforcement Agency, etc.)	1
The Food Drug and Cosmetic Act (with relevant amendments) and other relevant federal laws impacting pharmacy practice	2
e.g. postal regulations, OBRA 90, recalls, hazardous drugs, import/export, dietary supplements, natural products	
Federal and state regulations on manufacturing and distribution of pharmaceuticals e.g. pharmacy compounding, adulteration,	2
misbranding, generics, repackaging, over-the-counter drugs	Ī
Risk management, civil liability, pharmacist duty, error prevention, health care fraud	3
Regulation of pharmacy practice e.g. licensure, registration, delegation and supervision, continuing education, inspection	7
procedures, discipline, sanctions, reporting requirements, returns, drug disposal, automated dispensing devices, central fill,	
recordkeeping	
Legal framework of prescriber, prescription and drugs	3
Controlled substances law and regulations e.g. registration, recordkeeping, drug return, drug disposal, addiction, marihuana,	6
schedule V sales, exempt sales of listed chemicals, pain management regulation, monitoring programs	
Guidelines for chronic pain prescriptions and program for impaired health professionals	1
Exams (not including final)	2
TOTAL	30

PHAR 791 DIPPE2 Form EF Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: □ CREATE, □ MODIFY, OR □ DELETE Desired Term Effective Date (6-digit code): 202008 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 791 Direct Patient Care IPPE 2 Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Lecture Prefix Number Contact Prefix Number Contact Lecture Lab Lab Seminar Seminar Hours Hours 791 PHAR 2 Title: Direct Patient Care IPPE 2 Title: **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Co-requisites requisites **PHAR 624** 0.5 Course/Catalog Description (125 words) Course/Catalog Description (125 words) The Direct Patient Care Introductory Pharmacy Practice Experience course is designed for students to expand upon skills learned in the classroom and the medication distribution IPPE. This experience will provide students with the opportunity to work directly with patients in a healthcare setting as a caregiver, educator, and collaborator. Skills emphasized will be effective communication, gathering of patient data, documentation, active listening, interprofessional practice, and cultural sensitivity. It is expected that this introductory course will begin to prepare students to provide patientcentered care as the medication expert. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan See Below Course Outline including Time Allocation Course Outline including Time Allocation See Below A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: □ Practicum ☐ Independent Study B. College Code: PH C. Department Code: PHAR D. Credit Hours: ☐ Variable □ Fixed E. Minimum Credit Hours: 0.5 F. Maximum Credit Hours: 0.5 G. Hours may be repeated for additional credit: Yes X Yes – If yes, max times repeated: 1 OR max credits awarded: H. Levels: ☐ Undergraduate

☐ Graduate

PH	HAR 791 DIPPE2 Form EF Course Information Form	(formerly Form E and Form F)
	□ Professional	
I.	Grade Method:	
	□ Standard Letter Grading □	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
	⊠ No	
	\square Yes – If yes, enter equivalent course:	
	Course Prefix, Num	ber – Course Title
K.	. Term(s) Offered: Fall, Spring, Summer	
L.	Max Section Enrollment:	
	Lecture: 160	
	Lab:	
To	To be completed by Academic Affairs Office: Standards & Measures \square Basic Skill (BS), \square General Education, \square Occupational Education	
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
_	OFFICE OF THE REGISTRAR USE ONLY	
	Date Rec'd: Date Completed: Entered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ	
"	LINCICA. L. JCACAJE, L. JCADETE, L. JCARNES, L. JCAPREQ	

Course Outcomes and Assessment Plan:

Course Outcomes	Programmatic Ability-Based Outcomes	ACPE Educational Standards	Means of Assessment
Collect subjective and objective evidence (including socioeconomic, cultural) related to patient, medications, allergies/adverse reactions, and disease.	2.1.1: Collect subjective and objective evidence (including socioeconomic, cultural) related to patient, medications, allergies/adverse reactions, and disease.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric, Observation
Interpret relevant medical evidence and patient data.	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric, Observation
Prioritize patient needs.	2.1.3: Prioritize patient needs.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric, Observation
Formulate evidence-based care plans, and care transitions with consideration of the unique needs of the patient while emphasizing the need for patients to take responsibility for the control of their health.	2.1.4: Formulate evidence-based care plans, and care transitions with consideration of the unique needs of the patient while emphasizing the need for patients to take responsibility for the control of their health.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric, Observation
Document patient care related activities.	2.1.7: Document patient care related activities.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric, Observation
Ensure instructional content contains the most current information relevant for the intended audience.	3.2.4: Ensure instructional content contains the most current information relevant for the intended audience.	3.2: Education	Rubric, Observation

PHAR 791 DIPPE2 Form EF Course Information Form (formerly Form E and Form F)

Adapt instruction and deliver to the intended audience.	3.2.5: Adapt instruction and deliver to the intended audience.	3.2: Education	Rubric, Observation
Communicate in a manner that values team-based decision making and shows respect for contributions from other areas of expertise.	3.3.3: Communicate in a manner that values team-based decision making and shows respect for contributions from other areas of expertise.	3.4: Interprofessional Collaboration	Rubric, Observation
Recognize the collective identity and norms of different cultures without overgeneralizing (i.e., recognize and avoid biases and stereotyping)	3.4.1: Recognize the collective identity and norms of different cultures without overgeneralizing (i.e., recognize and avoid biases and stereotyping).	3.5: Cultural Sensitivity	Rubric, Observation
Demonstrate an attitude that is respectful of different cultures.	3.4.2: Demonstrate an attitude that is respectful of different cultures.	3.5: Cultural Sensitivity	Rubric, Observation
Assess a patient's health literacy and modify communication strategies to meet the patient's needs.	3.4.3: Assess a patient's health literacy and modify communication strategies to meet the patient's needs.	3.5: Cultural Sensitivity	Rubric, Observation
Consider cultural issues in all aspects of practice to reduce health disparities.	3.4.4: Consider cultural issues in all aspects of practice to reduce health disparities.	3.5: Cultural Sensitivity	Rubric, Observation

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
1	Collect information to identify a patient's medication related problems and health-related needs.	Direct Supervision
2	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations).	Direct Supervision
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Direct Supervision
4	Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Direct Supervision
5	Follow-up and monitor a care plan.	Direct Supervision
6	Collaborate as a member of an interprofessional team.	Direct Supervision
11	Educate patients and professional colleagues regarding the appropriate use of medications.	
12	Use evidence-based information to advance patient care.	Observe

Course Outline:

Торіс	Time
Experiential rotation placement (2 hours per week)	30
	1

PHAR	800 MA	PPE For	m EF Co	ourse	Inform	at	ion Fo	rm (forr	merly F	orm E	and	l Form F)
. ACTION TO BE TAKEN:												
	☑ CREATE, □ MODIFY, OR □ DELETE											
	,		•									
Des	ired Term	Effective	Date (6-c	ligit co	ode): 202:	105	5					
	E: The first f		-	_	-			te month i	n which te	rm begins	•	
II.COU	RSE IDENT	IFICATION	N: PHAR 8	300 In	patient N	1ec	dicine AF	PPE				
			Course	Prefix,	Course Nu	ıml	ber – Cou	rse Title				
If de	leting a co	urse STO	P HERE.									
	modification						nanged.					
If cr	eating a co	urse, com	iplete <u>all</u>	relev	ant fields							
						1	1					
- 0	T	CURR		l			- 0			PROPO		
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar
		110013					PHAR	800	40			
Title:	L	I					Title: Ir	npatient N	/ledicine /	APPE		
Cred	dit Hours	Prereq	uisites		Co-		Credi	t Hours	Prereq	uisites		Co-requisites
				rec	quisites							
6 PHAR 724												
Cours	Course/Catalog Description (125 words) Course/Catalog Description (125 words)											
												an opportunity to
								•				e/inpatient setting. Skills ginformation provision,
												erapy assessment, and
								:/health c			_	erapy assessment, and
Cours	se Outcom	es and Ass	sessment	Plan			•	Outcome	•			
							See be	low				
Cours	se Outline i	ncluding	Time Allo	cation	1		Course	Outline i	ncluding T	ime Allo	cation	
							See be					
	not LEC/LA	B/SEM, Cl	neck box	as app	propriate	[Se	e Definiti	ons in App	endix E]:			
	Practicum											
	Independe	•										
	llege Code											
	partment (AR									
	edit Hours:											
	Variable											
	Fixed		6									
	nimum Cre											
	aximum Cr			i+ianal	orodit. N	_						
	ours may be	e repeated	u ioi auu	ltiona	rcredit. N	U						
	No Vos. If we	o moretica		المحادة	3 B may =:	اء م	lita avve :-	dod.				
⊔ H. Le	Yes – If ye	s, max tin	ies repea	itea: (M max ci	ea	iits awar	ueu:				
		duato										
	Undergrad Graduate	uate										
	Profession	val										
\triangle	1 101522101	ıuı										

I. Grade Method:

PF	PHAR 800 MAPPE Form EF Course Information Form (formerly Fo	orm E and Form F)
	□ Standard Letter Grading	
	☐ Credit/No Credit	
J.	J. Does the proposed course replace an equivalent course?	
	⊠ No	
	\square Yes – If yes, enter equivalent course:	
	Course Prefix, Number – Course Title	
K.	K. Term(s) Offered: Fall, Spring, Summer	
L.	L. Max Section Enrollment:	
	Lecture: 40	
	Lab:	
T	To be completed by Academic Affairs Office: Standards & Measures Coding and General	Education Code
L	☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed. Codes:	
UC	UCC Chair Signature & Date: Academic Affairs	Approval Signature & Date:
_	OFFICE OF THE REGISTRAR USE ONLY	
	Date Rec'd: Date Completed:	
E	Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

Course Outcomes and Assessment Plan (proposed):

Course Outcome	Curricular Ability-Based Outcome	ACPE Standard	Assessment
Actively participate and engage as a	3.3.3: Communicate in a manner that	3.4: Interprofessional	Rubric (Team
healthcare team member by demonstrating	values team-based decision making and	Collaboration	functioning)
mutual respect, understanding, and values to	shows respect for contributions from		
meet patient care needs. (Inter-professional	other areas of expertise.		
collaboration (Collaborator) - 3.4.0).			
Educate all audiences by determining the	3.2.3: Demonstrate the ability to	3.2: Education	Rubric (Intervention
most effective and enduring ways to impart	coordinate educational efforts with		Tracker, Team
information and assess understanding.	other healthcare providers, when		functioning,
(Educator (Educator) - 3.2.0	appropriate, to ensure a consistent, comprehensive, and team-based		Presentation, Provider Education, Patient
	encounter.		education)
	3.2.4: Ensure instructional content	3.2: Education	Rubric (Intervention
	contains the most current information	5.2. Luucation	Tracker, Team
	relevant for the intended audience.		functioning,
			Presentation, Provider
			Education, Patient
			education)
	3.2.5: Adapt instruction and deliver to	3.2: Education	Rubric (Intervention
	the intended audience.		Tracker, Team
			functioning,
			Presentation, Provider
			Education, Patient
	-		education)
	3.2.6: Deliver and obtain feedback to	3.2: Education	Rubric (Intervention
	assess learning and promote goal		Tracker, Team
	setting and goal attainment for the		functioning,
	intended audience.		Presentation, Provider
			Education, Patient
Effectively appropriate verbally as d	2.5.1. Internious patients using 5.5	2 C. Camananniantic	education)
Effectively communicate verbally and	3.5.1: Interview patients using an	3.6: Communication	Rubric (Medication
nonverbally when interacting with an	organized structure, specific		History, Patient

PHAR 800 MAPPE Form EF Course Information Form (formerly Form E and Form F)

individual, group or organization. (Communication (Communicator) - 3.5.0)	questioning techniques (e.g., motivational interviewing), and medical terminology adapted for the audience.		Education, Presentation, Intervention Tracker, Team Functioning)
	3.5.2: Actively listen and ask appropriate open and closed-ended questions to gather information.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Intervention Tracker, Team Functioning)
	3.5.3: Use available technology and other media to effectively communicate and document.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Intervention Tracker, Team Functioning)
	3.5.4: Use effective interpersonal skills to establish rapport and build trusting relationships.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Intervention Tracker, Team Functioning)
	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Intervention Tracker, Team Functioning)
	3.5.6: Demonstrate empathy when interacting with others.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Intervention Tracker, Team Functioning)
Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers, and society.	4.4.1: Demonstrate compassion, empathy, altruism, integrity, trustworthiness, flexibility, and respect.	4.4: Professionalism	Reflection (self-assessment)
Provide patient-centered care as the medication expert (e.g. collect and interpret evidence, prioritize, formulate assessments and recommendations, implement, monitor and adjust plans, and document activities).	2.1.1: Collect subjective and objective evidence (including socioeconomic, cultural) related to patient, medications, allergies/adverse reactions, and disease.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
(Patient-centered care (Caregiver) - 2.1.0) Provide patient-centered care as the medication expert	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
	2.1.3: Prioritize patient needs.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
	2.1.4: Formulate evidence-based care plans, and care transitions with consideration of the unique needs of the patient while emphasizing the need for patients to take responsibility for the control of their health.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
	2.1.5: Implement patient-centered care plans.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)

PHAR 800 MAPPE Form EF Course Information Form (formerly Form E and Form F)

	2.1.6: Monitor the patient and adjust care plan as needed.	2.1: Patient-Centered Care (Includes 3.3	Rubric (Medication History, Patient Care
	care plan as needed.	Patient Advocacy where relevant)	Plan, Intervention Tracker)
	2.1.7: Document patient care related activities.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
	2.1.8: Appropriately triage patients to the proper health care provider and assist them in navigating the healthcare system.	2.1: Patient-Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
Recognize social determinants of health to diminish disparities and inequities in access to quality care. (Cultural sensitivity (Includer) - 3.4.0)	3.4.2: Demonstrate an attitude that is respectful of different cultures.	3.5: Cultural Sensitivity	Rubric (Provider Education, Team functioning, Medication History, Patient Education)
	3.4.3: Assess a patient's health literacy and modify communication strategies to meet the patient's needs.	3.5: Cultural Sensitivity	Rubric (Provider Education, Team functioning, Medication History, Patient Education)
Self-assess understanding and abilities, and engage in help seeking behaviors and adapt learning strategies accordingly.	4.1.1: Self-assess understanding, and abilities and engage in help seeking behaviors and adapt learning strategies accordingly.	4.1: Self-Awareness	Reflection (self- assessment), Direct Observation (Midpoint Evaluation), Rubric (Team Functioning)
	4.1.3: Demonstrate engagement, confidence, self-direction, ownership, flexibility, and accountability in all learning and professional situations.	4.1: Self-Awareness	Reflection (self- assessment), Direct Observation (Midpoint Evaluation), Rubric (Team Functioning)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
1	Collect information to identify a patient's medication related problems and health-related needs.	Reactive Supervision
2	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations).	Reactive Supervision
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Reactive Supervision
4	Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Reactive Supervision
5	Follow-up and monitor a care plan.	Reactive Supervision
6	Collaborate as a member of an inter-professional team.	Reactive Supervision
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Reactive Supervision
12	Use evidence-based information to advance patient care.	Reactive Supervision

Course Outline including Time Allocation (proposed):

Express time allocation in one of the following formats for a 3 credit hour course; adjust accordingly: Weeks (15 weeks), Hours (45 hours, assuming 3 contact hours per week, Percentages (100 percent)

TOPIC	TIME (HRS)
Experiential rotation (40 hours per week)	240
TOTAL	240

PHAR	802 AAI	PE For	m EF Co	urse	Informa	ition For	m (torn	neriy F	orm E	and F	orm +)
I. ACTI	ON TO BE	TAKEN:									
\boxtimes (REATE, 🗆	MODIF	/, OR □	DELE	TE						
Desi	ired Term	Effective	Date (6-c	ligit c	ode): 2021	.05					
	E: The first f		=	_	-		ate month i	in which te	rm begins		
	, ,	3	,	•		3			J		
II.COU	RSE IDENT	IFICATIO	N: PHAR 8	302 A	mbulatory	Care APP	E				
					Course Nu						
If de	leting a co	urse STO	P HERE.								
For r	nodificatio	on, compl	ete all fie	elds th	nat will be	changed.					
If cre	eating a co	urse, con	nplete <u>all</u>	relev	ant fields.						
		CURR	ENT						PROPOSE	D	
Prefix	Number	Contact	Lecture	Lab	Seminar	Prefix	Number	Contact	Lecture	Lab	Seminar
		Hours						Hours			
 1						PHAR	802	40	55		
Title:		T .		1	•		Ambulator	i e		1	
Crea	it Hours	Prerec	luisites		Co-	Credi	t Hours	Prered	uisites	'	Co-requisites
				rec	quisites		6	PHAF	724		
Cours	e/Catalog	Description	on /125 w	ords)		Course	c/Catalog	L		ords)	
Cours	c/ catalog	Description	011 (123 W	orusj							nity to provide patient
						centere	d care in an	ambulatory	care settin	g. Skills en	nphasized will be
											ring of patient
						education	_	rapy assessi	nent, and p	atient/ne	alth care provider
Cours	e Outcom	es and As	sessment	Plan		Course	Outcome	es and Ass	essment	Plan	
						See be	low				
Cours	e Outline i	including	Time Allo	cation	ı	Course	Outline i	ncluding 1	ime Allo	cation	
						See be	low				
A. If n	ot LEC/LA	B/SEM, C	heck box	as apı	oropriate [See Definit	ions in App	endix E]:			
\boxtimes	Practicum										
	Independe	ent Study									
B. Co	llege Code	: PH									
C. De	partment (Code: PH	4R								
D. Cre	edit Hours:										
	Variable										
\boxtimes	Fixed										
E. Mi	nimum Cre	edit Hours	s: 6								
F. Ma	ximum Cr	edit Hour	s: 6								
G. Ho	urs may be	e repeate	d for addi	itiona	l credit: No)					
\boxtimes	No	·									
	Yes – If ye	s, max tin	nes repea	ited:	OR max cr	edits awaı	ded:				
H. Lev	_		1		-	-					
	Undergrad	duate									
	Graduate	-									
	Profession	nal									
	ade Metho										
	IVICLIL										

PHAK 8UZ AAPI	E Form EF Course information	on Form (Torrillerly Form E and Form F)	
☐ Credit/No C	redit		
J. Does the propo	osed course replace an equivalent co	ourse?	
⊠ No			
\square Yes – If yes,	enter equivalent course:		
	Course F	Prefix, Number – Course Title	
K. Term(s) Offere	d: Fall, Spring, Summer		
L. Max Section Er	nrollment:		
Lecture: 40			
Lab:			
		Measures Coding and General Education Code	
☐ Basic Skill (BS),	☐ General Education, ☐ Occupational	Education, Gen Ed. Codes:	
UCC Chair Signatur	e & Date:	Academic Affairs Approval Signature & Date:	
		·	
OFFICE OF THE REG	SISTRAR USE ONLY		
Date Rec'd:	Date Completed:		
Entered. TSCACRS	SE FISCADETI FISCARRES FISCAPREC)	

Course Outcome	Curricular Ability-Based Outcome	ACPE Standard	Assessment
Actively participate and engage as a healthcare team member by demonstrating mutual respect,	3.3.3: Communicate in a manner that values team-based decision making and shows respect for contributions from other areas of expertise.	3.4: Interprofessional Collaboration	Rubric (Team functioning)
understanding, and values to meet patient care needs. (Inter-professional collaboration (Collaborator) - 3.4.0).	3.3.4: Perform effectively and ethically as a member of an inter-professional functioning team (one that includes the patient, family, and community).	3.4: Interprofessional Collaboration	Rubric (Team functioning)
Educate all audiences by determining the most effective and enduring ways to impart information and assess understanding. (Educator (Educator) - 3.2.0	3.2.3: Demonstrate the ability to coordinate educational efforts with other healthcare providers, when appropriate, to ensure a consistent, comprehensive, and team-based encounter.	3.2: Education	Rubric (Intervention Tracker, Team functioning, Presentation, Provider Education, Patient education)
	3.2.4: Ensure instructional content contains the most current information relevant for the intended audience.	3.2: Education	Rubric (Intervention Tracker, Team functioning, Presentation, Provider Education, Patient education)
	3.2.5: Adapt instruction and deliver to the intended audience.	3.2: Education	Rubric (Intervention Tracker, Team functioning, Presentation, Provider Education, Patient education)
	3.2.6: Deliver and obtain feedback to assess learning and promote goal setting and goal attainment for the intended audience.	3.2: Education	Rubric (Intervention Tracker, Team functioning, Presentation, Provider Education, Patient education)
Effectively communicate verbally and nonverbally when interacting with an individual, group or organization. (Communication (Communicator) -	3.5.1: Interview patients using an organized structure, specific questioning techniques (e.g., motivational interviewing), and medical terminology adapted for the audience.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Intervention Tracker, Team Functioning)
3.5.0)	3.5.2: Actively listen and ask appropriate open and closed-ended questions to gather information.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Intervention Tracker, Team Functioning)

PHAR 802 AAPPE Form EF Course Information Form (formerly Form E and Form F)

	,		,
	3.5.3: Use available technology and other media to effectively communicate and document.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Intervention Tracker, Team Functioning)
	3.5.4: Use effective interpersonal skills to establish rapport and build trusting relationships.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Intervention Tracker, Team Functioning)
	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Intervention Tracker, Team Functioning)
	3.5.6: Demonstrate empathy when interacting with others.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Intervention Tracker, Team Functioning)
Provide patient-centered care as the medication expert (e.g. collect and interpret evidence, prioritize, formulate assessments and recommendations, implement,	2.1.1: Collect subjective and objective evidence (including socioeconomic, cultural) related to patient, medications, allergies/adverse reactions, and disease.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
monitor and adjust plans, and document activities). (Patient-centered care (Caregiver) - 2.1.0)	2.1.2: Interpret relevant medical evidence and patient data.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
	2.1.3: Prioritize patient needs.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
	2.1.4: Formulate evidence-based care plans, and care transitions with consideration of the unique needs of the patient while emphasizing the need for patients to take responsibility for the control of their health.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
	2.1.5: Implement patient-centered care plans.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
	2.1.6: Monitor the patient and adjust care plan as needed.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
	2.1.7: Document patient care related activities.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
	2.1.8: Appropriately triage patients to the proper health care provider and assist them in navigating the healthcare system.	2.1: Patient- Centered Care (Includes 3.3 Patient Advocacy where relevant)	Rubric (Medication History, Patient Care Plan, Intervention Tracker)
Recognize social determinants of health to diminish disparities and inequities in access to quality care. (Cultural sensitivity (Includer) - 3.4.0)	3.4.2: Demonstrate an attitude that is respectful of different cultures.	3.5: Cultural Sensitivity	Rubric (Provider Education, Team functioning, Medication History, Patient Education)

PHAR 802 AAPPE Form EF Course Information Form (formerly Form E and Form F)

	3.4.3: Assess a patient's health literacy and modify communication strategies to meet the patient's needs.	3.5: Cultural Sensitivity	Rubric (Provider Education, Team functioning, Medication History, Patient Education)
	3.4.4: Consider cultural issues in all aspects of practice to reduce health disparities.	3.5: Cultural Sensitivity	Rubric (Provider Education, Team functioning, Medication History, Patient Education)
Recognize the collective identity and norms of different cultures without overgeneralizing (i.e., recognize and avoid biases and stereotyping)	3.4.1: Recognize the collective identity and norms of different cultures without overgeneralizing (i.e., recognize and avoid biases and stereotyping).	3.5: Cultural Sensitivity	Rubric (Provider Education, Team functioning, Medication History, Patient Education)
Self-assess understanding and abilities and engage in help seeking behaviors and adapt learning strategies accordingly.	4.1.1: Self-assess understanding and abilities and engage in help seeking behaviors and adapt learning strategies accordingly.	4.1: Self- Awareness	Reflection (self-assessment), Direct Observation (Midpoint Evaluation), Rubric (Team Functioning)
	4.1.3: Demonstrate engagement, confidence, self-direction, ownership, flexibility, and accountability in all learning and professional situations.	4.1: Self- Awareness	Reflection (self-assessment), Direct Observation (Midpoint Evaluation), Rubric (Team Functioning)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
1	Collect information to identify a patient's medication related problems and health-related needs.	Reactive Supervision
2	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations).	Reactive Supervision
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Reactive Supervision
4	Implement a care plan in collaboration with the patient, caregivers, and other health professionals.	Reactive Supervision
5	Follow-up and monitor a care plan.	Reactive Supervision
6	Collaborate as a member of an inter-professional team.	Reactive Supervision
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Reactive Supervision
12	Use evidence-based information to advance patient care.	Reactive Supervision

Course Outline including Time Allocation (proposed):

Express time allocation in one of the following formats for a 3 credit hour course; adjust accordingly: Weeks (15 weeks), Hours (45 hours, assuming 3 contact hours per week, Percentages (100 percent)

TOPIC	TIME (HRS)
Experiential rotation (40 hours per week)	240
TOTAL	240

PHAR 810 HAPPE Form EF Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: □ CREATE, □ MODIFY, OR □ DELETE Desired Term Effective Date (6-digit code): 202105 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. **II.COURSE IDENTIFICATION: PHAR 810 Health System APPE** Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Lecture Number Contact Prefix Number Contact Lecture Lab Seminar Seminar Hours Hours PHAR 810 40 Title: Health System APPE Title: **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Co-requisites requisites **PHAR 724** Course/Catalog Description (125 words) Course/Catalog Description (125 words) This course is a health system pharmacy experience that allows for a broader understanding of health system pharmacy management with emphasis on regulatory, human resources, technology and medication management. The student will experience advanced pharmacy operations and services relating to systems for medication distribution, reconciliation, safety and control, management of the department, scope of clinical services provided by the department, the impact of various regulatory and accrediting agencies on the department and department relationships within the institution and health system. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan See below Course Outline including Time Allocation Course Outline including Time Allocation See below A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: □ Practicum ☐ Independent Study B. College Code: PH C. Department Code: PHAR D. Credit Hours: ☐ Variable □ Fixed E. Minimum Credit Hours: 6 F. Maximum Credit Hours: 6 G. Hours may be repeated for additional credit: No ☐ Yes – If yes, max times repeated: **OR** max credits awarded: H. Levels: ☐ Undergraduate

☐ Graduate

PHAR 810 HAPPE Form EF Course Information Form (formerly Form E and Form F) I. Grade Method: ☐ Credit/No Credit J. Does the proposed course replace an equivalent course? \boxtimes No \square Yes – *If yes, enter equivalent course:* Course Prefix, Number – Course Title K. Term(s) Offered: Fall, Spring, Summer L. Max Section Enrollment: Lecture: 40 Lab: To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code ☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date: **OFFICE OF THE REGISTRAR USE ONLY** Date Rec'd:_____ Date Completed:__ Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ

Course Outcome	Curricular Ability-Based Outcome	ACPE Standard	Assessment
Actively participate and engage as a	3.3.3: Communicate in a manner that values team-	3.4:	Rubric (Team
healthcare team member by	based decision making and shows respect for	Interprofessional	functioning)
demonstrating mutual respect,	contributions from other areas of expertise.	Collaboration	
understanding, and values to meet	3.3.4: Perform effectively and ethically as a	3.4:	Rubric (Team
patient care needs. (3.4.0).	member of an inter-professional functioning team	Interprofessional	functioning)
	(one that includes the patient, family, and community).	Collaboration	
Educate all audiences by determining	3.2.6: Deliver and obtain feedback to assess	3.2: Education	Rubric (Provider
the most effective and enduring ways	learning and promote goal setting and goal		Education, Patient
to impart information and assess	attainment for the intended audience.		education)
understanding. (Educator (Educator) -			
3.2.0			
Effectively communicate verbally and	3.5.2: Actively listen and ask appropriate open and	3.6: Communication	Rubric (Medication
nonverbally when interacting with an	closed-ended questions to gather information.		History, Patient
individual, group or organization.			Education,
(3.5.0)			Presentation, Team
			Functioning)
	3.5.5: Communicate assertively, persuasively,	3.6: Communication	Rubric (Medication
	confidently, and clearly in verbal, nonverbal and		History, Patient
	written form commensurate with professional		Education,
	practice setting.		Presentation, Team
			Functioning)
	3.5.6: Demonstrate empathy when interacting	3.6: Communication	Rubric (Medication
	with others.		History, Patient
			Education,
			Presentation, Team
			Functioning)

PHAR 810 HAPPE Form EF Course Information Form (formerly Form E and Form F)

ric (Medication ribution), ection (self-
essment)
ric (Medication ribution), ection (self- essment)
ric (Patient Care I, Intervention Eker), Reflection Eassessment)
ric (Patient Care , Intervention ker), Reflection -assessment)
ric (Patient Care , Intervention ker), Reflection -assessment)
ric (Patient Care I, Intervention Sker), Reflection Seassessment)
ric (Patient Care , Intervention :ker), Reflection -assessment)
ric (Patient Care , Intervention ker), Reflection -assessment)
ric (Patient Care , Intervention ker), Reflection -assessment)
ric (Patient Care , Intervention ker), Reflection -assessment)
ric (Patient Care , Intervention ker), Reflection -assessment)
ric (Patient Care , Intervention ker), Reflection -assessment)
ric (Medication ribution)
ric (Medication ribution)
ric (Medication ribution)
ric (Medication ribution)
€ 2 T 1) 2 3 T 1) 3 3 T

PHAR 810 HAPPE Form EF Course Information Form (formerly Form E and Form F)

	2.2.5: Utilize continuous quality improvement techniques in the medication use process.	2.2: Medication System Use	Rubric (Medication Distribution)
Self-assess understanding and abilities and engage in help seeking behaviors and adapt learning strategies accordingly.	4.1.1: Self-assess understanding and abilities and engage in help seeking behaviors and adapt learning strategies accordingly.	4.1: Self-Awareness	Direct Observation (Midpoint Evaluation), Rubric (Team Functioning)
	4.1.3: Demonstrate engagement, confidence, self-direction, ownership, flexibility, and accountability in all learning and professional situations.	4.1: Self-Awareness	Direct Observation (Midpoint Evaluation), Rubric (Team Functioning)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
1	Collect information to identify a patient's medication related problems and health-related needs.	Reactive Supervision
2	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations).	Reactive Supervision
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Reactive Supervision
8	Minimize adverse events and medication errors	Reactive Supervision
9	Maximize the appropriate use of medications in a population.	Reactive Supervision
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Reactive Supervision
13	Oversee the pharmacy operations for an assigned work shift.	Reactive Supervision
14	Fulfill a medication order.	Reactive Supervision

Course Outline including Time Allocation (proposed):

Express time allocation in one of the following formats for a 3 credit hour course; adjust accordingly: Weeks (15 weeks), Hours (45 hours, assuming 3 contact hours per week, Percentages (100 percent)

TOPIC	TIME (HRS)
Experiential rotation (40 hours per week)	240
TOTAL	240

PHAR	811 CAF	PE Forr	n EF Co	urse	Informa	ati	on For	m (forn	nerly Fo	orm E	and	Form F)
	ON TO BE							•	·			,
	REATE, 🗆		/. OR □	DELE	TE							
	, —		,									
Desi	ired Term	Effective	Date (6-c	ligit co	ode): 202	10	5					
	E: The first f		=	_	=			te month i	n which tei	m begins		
	, ,	J	,	•		_				,		
II.COU	RSE IDENT	IFICATION	N: PHAR 8	811 C	ommunity	/ A	PPE					
			Course	Prefix,	Course No	ıml	ber – Cou	rse Title				
If de	leting a co	urse STO	P HERE.									
For r	nodificatio	on, compl	ete all fie	elds th	at will be	e ch	nanged.					
If cre	eating a co	urse, con	iplete <u>all</u>	_relev	ant fields							
							T					
	1	CURR							1	PROPOS	ED	ı
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar
		Hours					PHAR	811	Hours 40			
Title:								ommunit				
	it Hours	Prereg	uisites		Co-			t Hours	Prereq	uisites		Co-requisites
				rec	quisites							
								6	PHAR	724		
Cours	e/Catalog	Description	on <i>(125 w</i>	ords)			Course	/Catalog I	Descriptio	n <i>(125 wc</i>	ords)	
												ty to refine basic and develop
									ills needed for the delivery of patient-centered pharmacy services unity setting. The student will develop competency in the			
												practitioners and patients,
									_	-		th promotion, disease state
Cours	e Outcome	as and Ass	coccmont	Dlan					nt education es and Asse			armacy management.
Cours	e Outcome	es and As	sessment	. Pidii			See be		es and Ass	essment	Pidii	
Cours	e Outline i	ncluding	Time Allo	cation	<u> </u>				ncluding T	ime Allo	ration	<u> </u>
Cours	e outilite i	neidanig	Time 7 mo	catioi	<u>.</u>		See be		riciaanig i	11110 7 (110)	cation	
A. If n	ot LEC/LA	B/SEM. CI	heck box	as apr	propriate	[Se	l		endix El:			
	Practicum	, - , -					,		,			
	Independe	ent Study										
	llege Code											
	partment (AR									
	dit Hours:											
	Variable											
\boxtimes	Fixed											
E. Mi	nimum Cre	edit Hours	s: 6									
F. Ma	ximum Cr	edit Hour	s: 6									
G. Ho	urs may be	e repeate	d for add	itional	l credit: N	0						
	No	·										
	Yes – If ye	s, max tin	nes repea	ited: (OR max c	red	lits awar	ded:				
H. Lev	-		•									
	Undergrad	duate										
	Graduate											
	Profession	al										

I. Grade Method:

Pŀ	AR 811 CAPPE Form EF Course Information Form (formerly Form E and Form F)
	☐ Credit/No Credit
J.	Does the proposed course replace an equivalent course?
	⊠ No
	☐ Yes – If yes, enter equivalent course:
	Course Prefix, Number – Course Title
K.	Term(s) Offered: Fall, Spring, Summer
L.	Max Section Enrollment:
	Lecture: 40
	Lab:
T	be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code
LL	Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed. Codes:
UC	Chair Signature & Date: Academic Affairs Approval Signature & Date:
_	FICE OF THE REGISTRAR USE ONLY
	te Rec'd: Date Completed:
E	tered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ

Course Outcome	Curricular Ability-Based Outcome	ACPE Standard	Assessment
Educate all audiences by determining the most effective and enduring ways to impart information and assess understanding. (Educator (Educator)	3.2.1: Conduct a learning needs assessment of constituents who would benefit from pharmacist-delivered education (e.g., patients/caregivers, technicians and interns, pharmacy students, fellow pharmacists, other healthcare providers, legislators).	3.2: Education	Rubric (Provider Education, Patient education)
- 3.2.0	3.2.2: Develop or select the most effective techniques/strategies to achieve learning objectives.	3.2: Education	Rubric (Provider Education, Patient education)
	3.2.4: Ensure instructional content contains the most current information relevant for the intended audience.	3.2: Education	Rubric (Provider Education, Patient education)
	3.2.5: Adapt instruction and deliver to the intended audience.	3.2: Education	Rubric (Provider Education, Patient education)
	3.2.6: Deliver and obtain feedback to assess learning and promote goal setting and goal attainment for the intended audience.	3.2: Education	Rubric (Provider Education, Patient education)
Effectively communicate verbally and nonverbally when interacting with an individual, group or organization. (3.5.0)	3.5.1: Interview patients using an organized structure, specific questioning techniques (e.g., motivational interviewing), and medical terminology adapted for the audience.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Team Functioning)
	3.5.2: Actively listen and ask appropriate open and closed-ended questions to gather information.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Team Functioning)
	3.5.3: Use available technology and other media to effectively communicate and document.	3.6: Communication	Rubric (Medication History, Patient Education,

PHAR 811 CAPPE Form EF Course Information Form (formerly Form E and Form F)

	course information round (rounding)		, , , , , , , , , , , , , , , , , , , ,
			Presentation, Team Functioning)
	3.5.4: Use effective interpersonal skills to establish rapport and build trusting relationships.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Team Functioning)
	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Team Functioning)
	3.5.6: Demonstrate empathy when interacting with others.	3.6: Communication	Rubric (Medication History, Patient Education, Presentation, Team Functioning)
Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers, and society.	4.4.1: Demonstrate compassion, empathy, altruism, integrity, trustworthiness, flexibility, and respect.	4.4: Professionalism	Rubric (Medication Distribution), Reflection (self- assessment)
(4.4.0)	4.4.2: Deliver patient-centered care in a manner that is legal, ethical, and compassionate.	4.4: Professionalism	Rubric (Medication Distribution), Reflection (self- assessment)
Identify problems; explore and prioritize potential strategies; and design, implement, and evaluate a viable solution. (Problem Solving	3.1.1: Identify and define the relevant problems.	3.1: Problem- Solving	Rubric (Patient Care Plan, Intervention Tracker), Reflection (self-assessment)
(Problem Solver) - 3.1.0)	3.1.2: Define goals and alternative goals.	3.1: Problem- Solving	Rubric (Patient Care Plan, Intervention Tracker), Reflection (self-assessment)
	3.1.3: Explore multiple solutions by organizing, prioritizing, and defending each possible solution.	3.1: Problem- Solving	Rubric (Patient Care Plan, Intervention Tracker), Reflection (self-assessment)
	3.1.4: Anticipate positive and negative outcomes by reviewing assumptions, inconsistencies, and unintended consequences.	3.1: Problem- Solving	Rubric (Patient Care Plan, Intervention Tracker), Reflection (self-assessment)
	3.1.5: Recommend the most viable solution, including monitoring parameters, to measure intended and unintended consequences.	3.1: Problem- Solving	Rubric (Patient Care Plan, Intervention Tracker), Reflection (self-assessment)
	3.1.6: Reflect on the solution recommended and its effects to improve future performance.	3.1: Problem- Solving	Rubric (Patient Care Plan, Intervention Tracker), Reflection (self-assessment)
	3.5.5: Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting.	3.6: Communication	Rubric (Patient Care Plan, Intervention Tracker), Reflection (self-assessment)
	4.3.1: Demonstrate creative design, decision making, and solutions when confronted with novel problems, challenges or unmet needs.	4.3: Innovation and Entrepreneurship	Rubric (Patient Care Plan, Intervention Tracker), Reflection (self-assessment)
	4.4.1: Demonstrate compassion, empathy, altruism, integrity, trustworthiness, flexibility, and respect.	4.4: Professionalism	Rubric (Patient Care Plan, Intervention Tracker), Reflection (self-assessment)

PHAR 811 CAPPE Form EF Course Information Form (formerly Form E and Form F)

	4.4.2: Deliver patient-centered care in a manner that is legal, ethical, and compassionate.	4.4: Professionalism	Rubric (Patient Care Plan, Intervention
			Tracker), Reflection (self-assessment)
Manage patient healthcare needs	2.2.1: Competently perform in all areas of a typical	2.2: Medication	Rubric (Medication
using human, financial,	medication use systems (i.e., procurement, storage,	System Use	Distribution)
technological, and physical	prescribing, transcription, dispensing, administration,		
resources to optimize the safety and efficacy of medication use systems.	monitoring, documentation, transitions of care and emergency preparedness).		
(2.2.0)	2.2.2: Utilize informatics to optimize the medication	2.2: Medication	Rubric (Medication
` ′	use system.	System Use	Distribution)
	2.2.3: Utilize human, financial, and physical resources	2.2: Medication	Rubric (Medication
	to optimize the medication use system.	System Use	Distribution)
	2.2.4: Apply standards, guidelines, best practices, and	2.2: Medication	Rubric (Medication
	established processes related to safe and effective	System Use	Distribution)
	medication use in different pharmacy practice		
	settings. 2.2.5: Utilize continuous quality improvement	2.2: Medication	Rubric (Medication
	techniques in the medication use process.	System Use	Distribution)
Self-assess understanding and	4.1.1: Self-assess understanding and abilities and	4.1: Self-Awareness	Direct Observation
abilities and engage in help seeking	engage in help seeking behaviors and adapt learning		(Midpoint Evaluation),
behaviors and adapt learning	strategies accordingly.		Rubric (Team
strategies accordingly.			Functioning)
	4.1.3: Demonstrate engagement, confidence, self-	4.1: Self-Awareness	Direct Observation
	direction, ownership, flexibility, and accountability in		(Midpoint Evaluation),
	all learning and professional situations.		Rubric (Team Functioning)
			runctioning)

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
1	Collect information to identify a patient's medication related problems and health-related needs.	Reactive Supervision
2	Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs (including immunizations).	Reactive Supervision
3	Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective.	Reactive Supervision
7	Identify patients at risk for prevalent diseases in a population.	Reactive Supervision
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Reactive Supervision
13	Oversee the pharmacy operations for an assigned work shift.	Reactive Supervision
14	Fulfill a medication order.	Reactive Supervision

Course Outline including Time Allocation (proposed):

Express time allocation in one of the following formats for a 3 credit hour course; adjust accordingly: Weeks (15 weeks), Hours (45 hours, assuming 3 contact hours per week, Percentages (100 percent)

TOPIC	TIME (HRS)
Experiential rotation (40 hours per week)	240
TOTAL	240

PHAR 820 Form EF Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: □ CREATE, □ MODIFY, OR □ DELETE Desired Term Effective Date (6-digit code): 202008 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 820 Doctor of Pharmacy Seminar Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **PROPOSED CURRENT** Prefix Number Prefix Number Contact Lecture Contact Lecture Lab Seminar Lab Seminar Hours Hours PHAR 820 0.5 Title: Doctoral Project Title: Doctor of Pharmacy Seminar Credit Hours Prerequisites Co-requisites Credit Hours Prerequisites Co-requisites 0.5 **PHAR 724** Course/Catalog Description (125 words) Course/Catalog Description (125 words) Doctor of Pharmacy Seminar is a longitudinal course during the 4th year of the program, which allows the student to refine and demonstrate their ability to develop a relevant professional question, design and perform research to answer the question, interpret the data, and verbally defend their findings and conclusions logically and systematically to their peers and faculty. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Assessment of students includes topic research and See below development, a written paper and formal presentation. Course Outline including Time Allocation Course Outline including Time Allocation See below A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum B. College Code: PH C. Department Code: PHAR D. Credit Hours: ☐ Variable E. Minimum Credit Hours: 0.5 F. Maximum Credit Hours: 0.5 G. Hours may be repeated for additional credit: ☐ No ✓ Yes – If yes, max times repeated: **OR** max credits awarded: 1.0 H. Levels: ☐ Undergraduate ☐ Graduate

□ Professional Grade Method:

☐ Standard Letter Grading

PHAR 820 Form EF Course Information Form (formerly Form E and Form F) □ Credit/No Credit J. Does the proposed course replace an equivalent course? □ No □ Yes - If yes, enter equivalent course: Click here to enter text. Course Prefix, Number - Course Title K. Term(s) Offered: Fall/Spring L. Max Section Enrollment: Lecture: 160 Lab: To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code □ Basic Skill (BS), □ General Education, □ Occupational Education, Gen Ed. Codes: UCC Chair Signature & Date: Academic Affairs Approval Signature & Date:

Course Outcomes and Assessment Plan (proposed):

Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ

Date Rec'd:_____ Date Completed:_

Course Outcome	Programmatic Ability-Based Outcome	ACPE Educational Standard	Means of Assessment
Interpret and prioritize data/evidence needed to formulate, analyze and answer a relevant professional, pharmacy-related question.	1.1.11 - Analyze the medical evidence related to prescription drugs, non-prescription drugs, and alternative therapies	3.1 Problem Solving	Presentation
related question.	1.1.12 - Analyze emerging theories, information, and technologies that may impact patient-centered and population based care.	2.4 Population-based Care	Presentation
Use appropriate communication skills to educate an audience about a relevant professional, pharmacy-related question.	3.2.4 - Ensure instructional content contains the most current information relevant for the intended audience.	3.2 Education	Presentation
pharmacy-related question.	3.2.5 - Adapt instruction and deliver to the intended audience.	3.2 Education	Presentation
	3.5.3 - Use available technology and other media to effectively communicate and document.	3.6 Communication	Presentation
	3.5.5 - Communicate assertively, persuasively, confidently, and clearly in verbal, nonverbal and written form commensurate with professional practice setting	3.6 Communication	Presentation
Demonstrate engagement, confidence, self-direction,	4.1.1 - Self-assess understanding and abilities, and engage in help seeking	4.1 Self-awareness	Presentation

PHAR 820 Form EF Course Information Form (formerly Form E and Form F)

ownership, flexibility and accountability in both providing and participating in professional	behaviors and adapt learning strategies accordingly.		
development activities.	4.1.3 - Demonstrate engagement, confidence, self-direction, ownership, flexibility, and accountability in all learning and professional situations.	4.4 Professionalism	Presentation

Entrustable Professional Activities (EPA): The following Entrustable Professional Activities should be incorporated into the course and documented for students.

EPA#	EPA	Level
11	Educate patients and professional colleagues regarding the appropriate use of medications.	Intermittent Supervision
12	Use evidence-based information to advance patient care.	Intermittent Supervision

Course Outline including Time Allocation (proposed):

Express time allocation in one of the following formats for a 3 credit hour course; adjust accordingly: Weeks (15 weeks), Hours (45 hours, assuming 3 contact hours per week. Percentages (100 percent)

5 contact hours per week, Fercentages (100 percent)						
TOPIC	LECTURE	LAB	INDEPENDENT STUDY			
Topic Development			33%			
Literature Evaluation			33%			
Presentation			34%			
TOTAL			100%			

Curriculum Form EF's for Deleted Courses (from Current Curriculum)

Current Curriculum Course Deletions

Prefix	Number	Name	Last Full Class Offering	Delete
PHAR	311	Medical Biochemistry	201708	201808
PHAR	312	Molecular Biochem and Biotech	201801	201901
PHAR	315	Pathophys Basis of Therapeut 1	201708	201808
PHAR	316	Pathophys Basis of Therapeut 2	201801	201901
PHAR	318	Drug Delivery 1	201708	201808
PHAR	319	Drug Delivery 2	201801	201901
PHAR	328	Pharmaceutical Calculations	201708	201808
PHAR	334	Pharmacy and Health Care in US	201708	201808
PHAR	335	Clinical Communications	201708	201808
PHAR	340	Nonprescrip Meds and Self-Care	201801	201901
PHAR	385	Practice Skills Lab 1	201708	201808
PHAR	386	Practice Skills Lab 2	201801	201901
PHAR	393	Community Intro Phar Pract Exp	201805	201905
PHAR	411	Drug Action 1	201808	201908
PHAR	412	Drug Action 2	201808	201908
PHAR	413	Drug Action 3	201901	202001
PHAR	414	Drug Action 4	201901	202001
PHAR	421	Applied Micro/Infect Dis 1	201808	201908
PHAR	422	Applied Micro Infect Dis 2	201901	202001
PHAR	425	Pharmacy Practice Mngmt 1	201901	202001
PHAR	428	Pharmacokinetics	201808	201908
PHAR	485	Practice Skills Lab 3	201808	201908
PHAR	486	Practice Skills Lab 4	201901	202001
PHAR	491	Longitud Pt-Centered IPPE 1	201808	201908
PHAR	493	Inst Intro Phar Prac Exp	201905	202005
PHAR	511	Pharmacotherapeutics 1	201908	202008
PHAR	512	Pharmacotherapeutics 2	201908	202008
PHAR	513	Pharmacotherapeutics 3	202001	202101
PHAR	514	Pharmacotherapeutics 4	202001	202101
PHAR	525	Pharmacy Practice Mngmt 2	202001	202101
PHAR	530	Pharmacy Law	202001	202101
PHAR	535	Sociopharm and Profess Ethics	201908	202008
PHAR	540	Drug Info/Clin Lit Eval	201908	202008
PHAR	585	Practice Skills Lab 5	201908	202008
PHAR	589	Integrated Case Studies	202001	202101
PHAR	591	Longitud Pt-Centered IPPE 2	201908	202008
PHAR	600	Internal Medicine APPE	202101	202201
PHAR	601	Internal Med 2 APPE	202101	202201
PHAR	602	Ambulatory Care 1 APPE	202101	202201
PHAR	603	Ambulatory Care 2 APPE	202101	202201
PHAR	610	Institutional APPE	202101	202201
PHAR	611	Community APPE	202101	202201

PHAR 311 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

	CREATE,	☐ MODIF	Y, OR ⊠	DELE	TE								
	esired Term OTE: The first		-	_	-		ate month	in which to	erm begins	s.			
II.CC	OURSE IDEN	TIFICATIO											
	4-1-11-1			Prefix	, Course Nu	mber – Co	urse Title						
	deleting a c			الحماما	مط النبيد خمد	اممممط							
	or modificat creating a c	•				changeu.							
	creating a c	ourse, con	iipiete <u>uii</u>	_i cicv	arre ricias.								
		CURR	ENT					PROPO	DSED				
Pre	fix Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar		
						711							
	le: Click here			1	Co		Click here	T			Co		
Credit Hours Prerequisites Co- Credit Hours Prerequisites Co- requisites requisites													
requisites requisites requisites											14151665		
Со	urse/Catalo	g Descripti	on <i>(125 w</i>	ords)		Cours	e/Catalog	Descripti	on <i>(125 w</i>	ords)			
Clic	ck here to e	nter text.				Click h	ere to en	ter text.					
Со	urse Outcon	nes and As	sessment	Plan		Cours	Course Outcomes and Assessment Plan						
	ck here to e						ere to en						
	urse Outline		Time Allo	catio	า		e Outline		Time Allo	catio	1		
	ck here to e		hack hav	26.20	oropriato (ere to en						
	☐ Practicur		HECK DOX	as ap	propriate [see Dejiiii	ιστις ττι Αμμ	Jenuix Ej.					
	☐ Independ												
	College Cod	-											
	Department			em.									
	Credit Hour												
	☐ Variable												
	☐ Fixed												
E.	Minimum C	redit Hour	s: Click he	re to	enter text.								
F.	Maximum C	redit Hour	s: Click he	ere to	enter text								
G.	Hours may l	oe repeate	d for add	itiona	l credit:								
	□ No												
	☐ Yes – If y	es, max tir	nes repea	ted: (Click here t	o enter te	ext. OR ma	ax credits	awarded	: Click	here to en	iter text	
	Levels:												
	☐ Undergra												
	☐ Graduate												
	☐ Profession												
	Grade Meth												
	☐ Standard	Letter Gra	ading										

J.	Does the proposed course replace an equivalent course	se?	
	□ No		
	☐ Yes – If yes, enter equivalent course: Click here to e	nter text.	
	Course Prefi	ix, Number – Course Title	
K.	Term(s) Offered: Click here to enter text.		
L.	Max Section Enrollment:		
	Lecture: Click here to enter text.		
	Lab: Click here to enter text.		
To	be completed by Academic Affairs Office: Standards & Me	asures Coding and General Education Code	
	Basic Skill (BS), \square General Education, \square Occupational Edu	ucation, Gen Ed. Codes:	
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:	
_	FFICE OF THE REGISTRAR USE ONLY		
	ate Rec'd: Date Completed:	_	
l Fn	$ntered \cdot extstyle SCACRSE \ extstyle TSCADETI \ extstyle TSCARRES \ extstyle TSCADEFO$		

Information Form /formarly Form F and Form Fl DUAD 212 Co

	ON TO BE		ntorma	oite	n Form	()	rorme	riy Fori	m E and	a Form	1 F)	
	REATE, 🗆	MODIFY	r, or ⊠	DELE	TE							
Dosi	irad Tarm	Effoctivo	Data 16 4	liait o	odo), 2010	20	1					
	i red Term E: The first f		=	_	=			ate month	in which to	erm begins	S .	
	-, -,	.	, , , ,	, .			,					
I.COU	RSE IDENT	IFICATION							h			
16 .1 .		CTO		Prefix	, Course Nu	ım	ber – Co	urse Title				
	leting a co			الحماما	مط النيب عمد	ام	لمحجمط					
	nodification	•					nangeu.					
II CIE	atilig a co	urse, con	ipiete <u>aii</u>	_i eiev	ant neius.	•						
		CURR	ENT						PROP	OSED		
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar
		110013							110013			
Title:	Click here	to enter t	ext.		I.		Title:	Click here	to enter t	ext.		
Cred	it Hours	Prereq	uisites		Co-		Cred	it Hours	Prerec	uisites		Co-
				red	quisites						red	quisites
	,								<u> </u>			
	e/Catalog		on <i>(125 w</i>	ords)			+	e/Catalog		on <i>(125 w</i>	ords)	
	nere to ent			DI.			+	ere to en			DI.	
	e Outcome		sessment	Plan				e Outcom		sessment	Plan	
	nere to ent e Outline i		Time Allo	cation	<u> </u>			ere to en e Outline i		Time Allo	cation	2
	nere to ent		Time And	catioi				ere to en		Time And	catioi	'
	ot LEC/LA		heck box	as ap	propriate /	Se						
	Practicum			•		•	,	.,	,			
	Independe	ent Study										
	llege Code	-										
. De	partment (Code: Cho	ose an it	em.								
). Cre	edit Hours:											
	Variable											
	Fixed											
. Mi	nimum Cre	edit Hours	s: Click he	re to	enter text							
. Ma	ximum Cr	edit Hour	s: Click he	ere to	enter text	t.						
i. Ho	urs may be	e repeate	d for add	itiona	l credit:							
	No											
	Yes – If ye	s, max tin	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter t
۱. Le۱	/els:											
	Undergrad	duate										
	Graduate											
	Profession	nal										
. Gra	ade Metho	d:										

 \square Standard Letter Grading

J. Does the pro	oposed course replace an equivalent c	course?
□ No		
\square Yes – If ye	es, enter equivalent course: Click here	to enter text.
• ,	·	Prefix, Number – Course Title
K. Term(s) Offe	ered: Click here to enter text.	
L. Max Section	Enrollment:	
Lecture: Clic	k here to enter text.	
Lab: Click he	ere to enter text.	
To be completed	by Academic Affairs Office: Standards &	Measures Coding and General Education Code
☐ Basic Skill (BS	s), 🗆 General Education, 🗖 Occupationa	l Education, Gen Ed. Codes:
UCC Chair Signat	ture & Date:	Academic Affairs Approval Signature & Date:
OFFICE OF THE R	REGISTRAR USE ONLY	
Date Rec'd:	Date Completed:	
Fntered · □ SCAC	CRSE TSCADETI TSCARRES TSCAPRE	0

	N TO BE		ntorma	atior	n Form	()	rorme	riy Fori	m E and	a Form	<i>F)</i>	
_	REATE, 🗆		Y, OR ⊠	DELE	TE							
Dasi	red Term	- Ffactive	Data /C a	liait a	ada). 2011	200	o					
	: The first f		•	_	-			ate month	in which to	erm begins	5 .	
וו כטווו	RSE IDENT	IEICATIOI	N. DHAR :	215 D:	athonhys	Ra	sis of Tl	neraneut '	1			
1.0001	ASE IDEIVI	IFICATIO			, Course Νι			-	1			
	leting a co											
	nodification	•					hanged.					
II CIE	atilig a co	urse, con	ipiete <u>aii</u>	_i eiev	ant neius	•						
		CURR	ENT						PROPO	OSED		
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar
		110013							110013			
Title:	Click here	to enter t	ext.				Title:	Click here	to enter t	ext.		
Cred	it Hours	Prerec	quisites		Co-		Cred	it Hours	Prerec	luisites		Co-
requisites requisites												
Cours	e/Catalog	l Description	on <i>(125 w</i>	ords)			Course	e/Catalog	Descripti	on <i>(125 w</i>	l ords)	
	nere to en	-					1	ere to en		(
Cours	e Outcom	es and As	sessment	Plan			Course	e Outcom	es and As	sessment	Plan	
Click h	nere to ent	ter text.					Click h	ere to en	ter text.			
	e Outline i		Time Allo	catio	1		1	e Outline i		Time Allo	catior	1
	nere to ent						<u> </u>	ere to en				
	ot LEC/LA		heck box	as apı	propriate ,	[Se	e Definit	ions in App	pendix EJ:			
	Practicum											
	Independe lege Code	•										
	partment (em								
	edit Hours:		703C all 10	CIII.								
	Variable											
	Fixed											
	nimum Cre	edit Hours	s: Click he	re to	enter text							
	ximum Cr	edit Hour	s: Click he	ere to	enter tex	t.						
S. Ho	urs may be	e repeate	d for add	itiona	l credit:							
	No											
	Yes – If ye	s, max tin	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter to
H. Lev	els:											
	Undergrad	duate										
	Graduate											
	Profession	nal										
. Gra	ade Metho	d:										

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent course	
	□ No	
	☐ Yes – If yes, enter equivalent course: Click here to ent	er text.
	Course Prefix,	Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
To	o be completed by Academic Affairs Office: Standards & Meas	res Coding and General Education Code
	🛾 Basic Skill (BS), 🗆 General Education, 🗆 Occupational Educa	tion, Gen Ed. Codes:
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
	n torod. \square SCACDSE \square SCADETI \square SCADDES \square SCADDEO	

D. Credit Hours: Variable Fixed Minimum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text.		IAR 316 C		ntorma	atioi	n Form	()	rorme	riy Fori	m E and	a Form	<i>F)</i>	
Desired Term Effective Date (6-digit code): 201901 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. ILCOURSE IDENTIFICATION: PHAR 316 Pathophys Basis of Therapeut 2 Course Prefix, Course Number – Course Title If deleting a courses STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. CURRENT Prefix Number Contact Lecture Lab Seminar Prefix Number Contact Lecture Lab Seminar Hours Title: Click here to enter text. Credit Hours Prerequisites Corequisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study 3. College Code: Choose an item. C. Department Code: Choose an item. Maximum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text.				/, OR ⊠	DELE	TE							
If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields.		Desired Term	Effective	Date (6-c	ligit c	ode): 201 9			ate month	in which te	erm begins	i.	
Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. CURRENT		OLIDEE IDENIE	UFICATION	N. DUAD	34 C D	. 4	-	.:f TI	h	_			
If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. CURRENT	II.C	OURSE IDEN I	IFICATIO						-	2			
CURRENT	If	deleting a co	urse STO		,	,							
CURRENT Prefix Number Contact Lecture Lab Seminar Hours Title: Click here to enter text. Credit Hours Prerequisites Corequisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Preacticum Independent Study Coredit Hours: Variable Fixed Minimum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text.	F	or modificati	on, compl	ete all fie	elds th	nat will be	cl	hanged.					
Prefix Number Contact Hours	If	creating a co	urse, con	nplete <u>all</u>	relev	ant fields.							
Prefix Number Contact Hours			CLIDD	FNIT						DDOD	nsen.		
Title: Click here to enter text. Credit Hours Prerequisites Corequisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Click here to enter text. Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study Click here to enter text.	Pre	efix Number	1	1	Lab	Seminar		Prefix	Number	1		Lab	Seminar
Credit Hours			Hours							Hours			
Credit Hours	<u></u>							- :.1					
Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study Click here to enter text. Click here to enter text. Click here to enter text. A. College Code: Choose an item. C. Department Code: Choose an item. C. Credit Hours: Variable Fixed E. Minimum Credit Hours: Click here to enter text. E. Maximum Credit Hours: Click here to enter text.	_		1			Co				1			<u></u>
Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study Course Outline including Time Allocation Click here to enter text.													
Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text.						90.0100							10.1000
Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text.	Сс	urse/Catalog	Description	on <i>(125 w</i>	ords)			Course	e/Catalog	Description	on <i>(125 w</i>	ords)	
Click here to enter text. Course Outline including Time Allocation Click here to enter text.	Cli	ck here to en	ter text.					Click h	nere to en	ter text.			
Course Outline including Time Allocation Click here to enter text.				sessment	Plan			+			sessment	Plan	
Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study College Code: Choose an item. Department Code: Choose an item. Credit Hours: Variable Fixed Minimum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text.	-			- : A.II				+			T' All		
A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study College Code: Choose an item. Concept Hours: Variable Fixed Minimum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text.	-			Time Allo	catio	n					I ime Allo	cation	1
☐ Practicum ☐ Independent Study 3. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text.				heck hox	as an	nronriate <i>l</i>	[5e	<u> </u>					
☐ Independent Study 3. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. How many text is a sum of the content of the cont				TICCK DOX	азар	propriate [e Dejiiii		remaix Ej.			
B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: Variable Fixed Minimum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text.													
C. Department Code: Choose an item. D. Credit Hours: Variable Fixed Minimum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text.	В.	•	•										
 □ Variable □ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. 	C.	_			em.								
☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text.	D.	Credit Hours	:										
Minimum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text.		\square Variable											
Maximum Credit Hours: Click here to enter text.		\square Fixed											
	E.	Minimum Cr	edit Hours	s: Click he	ere to	enter text							
							t.						
G. Hours may be repeated for additional credit:	G.	•	e repeate	d for add	itiona	l credit:							
□ No					_				_	_	_		
☐ Yes — If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text.		-	s, max tin	nes repea	ited: (Click here t	to	enter te	ext. OR ma	ax credits	awarded	Click	here to enter to
H. Levels:	H.		al a. 4 c										
☐ Undergraduate		_	auate										
☐ Graduate													
☐ Professional . Grade Method:	I.												

 $\hfill\Box$ Standard Letter Grading

J.	Does the proposed course replace an equivalent course	
	□ No	
	☐ Yes – If yes, enter equivalent course: Click here to ent	er text.
	Course Prefix,	Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
To	o be completed by Academic Affairs Office: Standards & Meas	res Coding and General Education Code
	🛾 Basic Skill (BS), 🗆 General Education, 🗆 Occupational Educa	tion, Gen Ed. Codes:
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
	n torod. \square SCACDSE \square SCADETI \square SCADDES \square SCADDEO	

PHAR 318 Course Information Form (formerly Form E and Form F)

	CTION TO BE		niorm	atioi	n FOITH	(1	orme	riy Fori	TI E ATIO	u FOIIII	<i>''</i>		
	CREATE,		V OR 🏻	DELE	TF								
	CREATE, E	I WOON	1, OK 2										
D	esired Term	Effective	Date (6-d	ligit c	ode): 201	30	8						
	OTE: The first		=	_	=			ate month	in which to	erm begins	5.		
II.CC	OURSE IDENT	TIFICATIO			_	-							
1.5	م مانده امام	······································		Prefix	, Course Νι	ım	ber – Co	urse Title					
	deleting a co or modificati			alde +k	aat will ba	ام	hangad						
	creating a co	•					nangeu.						
	creating a ce	ourse, con	iipiete <u>uii</u>	_i cicv	ant neras	•							
		CURR	ENT		_				PROP	OSED			
Pre	fix Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar	
		Hours							Hours				
Titl	le: Click here	to enter	text.				Title:	Click here	to enter t	text.			
Cr	redit Hours	Prerec	quisites		Co-		Cred	it Hours	Prerec	uisites		Co-	
	requisites requisites												
_	urse/Catalog	•	on <i>(125 w</i>	ords)			+	e/Catalog	-	on <i>(125 w</i>	ords)		
	ck here to en			DI			+	ere to en			Dlan		
	urse Outcom ck here to en		sessment	Pian			_	e Outcomere to ent		sessment	Plan		
	urse Outline		Time Allo	catio				e Outline i		Time Allo	cation	1	
	ck here to en		Time 7 die	catio				ere to en		Time 7 tho	catioi		
	If not LEC/LA		heck box	as ap	propriate	[Se	<u> </u>						
	☐ Practicum	1											
	☐ Independ	ent Study	,										
В. (College Code	: Choose	an item.										
C.	Department	Code: Cho	oose an it	em.									
D.	Credit Hours	:											
	\square Variable												
	\square Fixed												
E.	Minimum Cr	edit Hour	s: Click he	ere to	enter text								
	Maximum Cr					t.							
	Hours may b —	e repeate	d for add	itiona	l credit:								
	□ No												
	☐ Yes – If ye	es, max tir	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to er	iter text.
	Levels:												
	☐ Undergra												
	☐ Graduate												
	☐ Profession												
l. (Grade Metho	od:											

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent course	
	□ No	
	☐ Yes – If yes, enter equivalent course: Click here to ent	er text.
	Course Prefix,	Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
To	o be completed by Academic Affairs Office: Standards & Meas	res Coding and General Education Code
	🛾 Basic Skill (BS), 🗆 General Education, 🗆 Occupational Educa	tion, Gen Ed. Codes:
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
	n torod. \square SCACDSE \square SCADETI \square SCADDES \square SCADDEO	

PHAR 319 Course Information Form (formerly Form E and Form F)

	CTION TO BE		niorm	atioi	n FOITH	(1	orme	riy Fori	TI E ATI	u FOIIII	<i>F)</i>		
	CREATE,		V OR 🖾	DELE	TF								
	CREATE, L	IVIODIF	I, OK 🖂	DLLL	.16								
D	esired Term	Effective	Date (6-d	ligit c	ode): 201	90	1						
	OTE: The first		=	_	=			ate month	in which to	erm begins	5.		
			ŕ				_			_			
II.CC	OURSE IDENT	TIFICATIO			_	-							
				Prefix	, Course Νι	ım	ber – Co	urse Title					
	deleting a co			الم حاداء		_1							
	or modification of the contraction of the contractions of the contraction of the contract	•					nangea.						
"	creating a co	Juise, con	iipiete <u>aii</u>	_i eiev	ant neius	•							
		CURR	ENT						PROP	OSED			
Pre	fix Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar	
		Hours							Hours				
Titl	le: Click here	to enter	text.		1		Title: (L Click here	to enter i	text.			
	redit Hours		quisites		Co-			it Hours	1	uisites		Co-	
	requisites requisites requisites												
_	urse/Catalog	•	on <i>(125 w</i>	ords)			-	e/Catalog	•	on <i>(125 w</i>	ords)		
	ck here to en			51			+	ere to en					
	urse Outcom		sessment	Plan			_	e Outcom		sessment	Plan		
	ck here to en urse Outline		Time Alla	catio	n			e Outline i		Time Allo	cation	<u> </u>	
	ck here to en		Time And	catio	· ·			ere to en		Time And	catioi	<u>'</u>	
	If not LEC/LA		heck box	as ap	propriate	[Se	1						
	☐ Practicum								-				
	☐ Independ	ent Study											
В. (College Code	: Choose	an item.										
C.	Department	Code: Cho	oose an it	em.									
D.	Credit Hours	:											
	□ Variable												
	\square Fixed												
	Minimum Cr												
	Maximum Cr					t.							
	Hours may b —	e repeate	d for add	itiona	l credit:								
	□ No												
	-	es, max tir	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	Click	here to enter	r text.
	Levels:												
	☐ Undergra												
	☐ Graduate												
	☐ Professio												
I. (Grade Metho	od:											

 \square Standard Letter Grading

J. Does the proposed cours	se replace an equivalent o	course?
\square No		
\square Yes – If yes, enter equ	ivalent course: Click here	to enter text.
	Course	Prefix, Number – Course Title
K. Term(s) Offered: Click he	ere to enter text.	
L. Max Section Enrollment:		
Lecture: Click here to en	ter text.	
Lab: Click here to enter t	ext.	
To be completed by Academic	: Affairs Office: Standards 8	& Measures Coding and General Education Code
☐ Basic Skill (BS), ☐ General	Education, \square Occupationa	al Education, Gen Ed. Codes:
UCC Chair Signature & Date:		Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR US	_	
Date Rec'd: Date	:e Completed:	<u></u>
Entered TSCACRSE TSCAD	FTI TSCARRES TSCAPRE	50

	N TO BE		ntorma	atior	n Form	()	rorme	riy Fori	n E and	a Form	<i>F)</i>		
□ c	REATE, 🗆	MODIF	Y, OR ⊠	DELE	TE								
Dosi	uad Taum	- Cff a atility	Data /C a	liait a	ada). 2011	200	o						
	red Term :: The first f		=	_	·=			ate month	in which to	erm begins	5.		
I COLIF	RSE IDENT	IFICATIO	Ν• ΡΗΔΒ 3	328 PI	harmaceu	tic	al Calcu	lations					
	102 102111				, Course Νι								
	leting a co												
	nodification	•					nanged.						
11 616	ating a co	urse, con	ipiete <u>uii</u>	reiev	arre ricias	•							
		CURR	ENT						PROPO	DSED			
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
	e: Click here to enter text.			+	Click here	1		1					
Cred	redit Hours Prerequisites Co-			Cred	it Hours	Prerec	uisites	roc	Co-				
	requisites						requisites						
Cours	e/Catalog	 Description	on <i>(125 w</i>	ords)			Course/Catalog Description (125 words)						
Click h	nere to ent	ter text.		-			Click here to enter text.						
Cours	e Outcom	es and As	sessment	Plan			Course Outcomes and Assessment Plan						
	nere to ent						+	ere to en					
	e Outline i		Time Allo	catio	า			e Outline i		Time Allo	catior	1	
	nere to ent						<u> </u>	ere to en					
	ot LEC/LA		heck box	as apı	propriate ,	[Se	e Definit	ions in App	endix E]:				
	Practicum												
	Independe lege Code	•											
	partment (ρm									
	dit Hours:		Jose all it	CIII.									
	Variable												
	Fixed												
	nimum Cre	edit Hours	s: Click he	re to	enter text								
	ximum Cr												
S. Ho	urs may be	e repeate	d for add	itiona	l credit:								
	No												
	Yes – If ye	s, max tin	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter te	
H. Lev			•										
	Undergrad	duate											
	Graduate												
	Profession	nal											
. Gra	ade Metho	d:											

J. Does the proposed cours	se replace an equivalent o	course?
\square No		
\square Yes – If yes, enter equ	ivalent course: Click here	to enter text.
	Course	Prefix, Number – Course Title
K. Term(s) Offered: Click he	ere to enter text.	
L. Max Section Enrollment:		
Lecture: Click here to en	ter text.	
Lab: Click here to enter t	ext.	
To be completed by Academic	: Affairs Office: Standards 8	& Measures Coding and General Education Code
☐ Basic Skill (BS), ☐ General	Education, \square Occupationa	al Education, Gen Ed. Codes:
UCC Chair Signature & Date:		Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR US	_	
Date Rec'd: Dat	:e Completed:	<u></u>
Entered TSCACRSE TSCAD	FTI TSCARRES TSCAPRE	50

	CTION TO BE		ntorm	atioi	n Form	()	rorme	riy Fori	m E and	a Form	<i>F)</i>		
	CHON TO BE CREATE, □		Y, OR ⊠	DELE	TE								
	Desired Term					20	0						
	OTE: The first :		-	_	-			ate month	in which to	erm begins	5 .		
II.C	OURSE IDENT	TEICATIO	N· PHAR :	334 P	harmacy a	n	d Health	Care in U	ıs				
					, Course Nu								
	deleting a co			المحادات									
	or modification or creating a co	-					nangea.						
	or carring a co	, u. 55, 55.											
	_	CURR	ENT		_			_	PROPO	DSED			
Pre	efix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
_	itle: Click here to enter text.							Click here	1		1		
C	Credit Hours Prerequisites Co- requisites						Crea	it Hours	Prerec	uisites	rec	Co-	
		quisites		requisites									
Со	urse/Catalog	Descripti	on <i>(125 w</i>	ords)			Course/Catalog Description (125 words)						
Cli	ck here to en	ter text.					Click here to enter text.						
	urse Outcom		sessment	Plan			Course Outcomes and Assessment Plan						
	ck here to en						Click here to enter text.						
-	urse Outline		Time Allo	catio	n		Course Outline including Time Allocation						
	ck here to en		hack hav	26.20	nronriato	[Ca	<u> </u>	nere to ent					
A.	If not LEC/LA ☐ Practicum		HECK DOX	as ap	propriate [36	е рејши	.ιοτις ττι Αρμ	enaix Ej:				
	☐ Independe												
B.	College Code	•											
	Department			em.									
	Credit Hours												
	☐ Variable												
	\square Fixed												
E.	Minimum Cre	edit Hour	s: Click he	ere to	enter text								
F.	Maximum Cr	edit Hour	s: Click h	ere to	enter text	t.							
G.	Hours may be	e repeate	d for add	itiona	l credit:								
	□ No												
	\square Yes – If ye	s, max tin	nes repea	ited: (Click here t	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter te	
Н.	Levels:												
	☐ Undergrad	duate											
	☐ Graduate												
	☐ Profession												
Ι.	Grade Metho	od:											

J. Does the proposed cours	se replace an equivalent o	course?
\square No		
\square Yes – If yes, enter equ	ivalent course: Click here	to enter text.
	Course	Prefix, Number – Course Title
K. Term(s) Offered: Click he	ere to enter text.	
L. Max Section Enrollment:		
Lecture: Click here to en	ter text.	
Lab: Click here to enter t	ext.	
To be completed by Academic	: Affairs Office: Standards 8	& Measures Coding and General Education Code
☐ Basic Skill (BS), ☐ General	Education, \square Occupationa	al Education, Gen Ed. Codes:
UCC Chair Signature & Date:		Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR US	_	
Date Rec'd: Dat	:e Completed:	<u></u>
Entered TSCACRSE TSCAD	FTI TSCARRES TSCAPRE	50

	N TO BE		ntorma	atior	n Form	(1	rorme	riy Fori	m E and	a Form) <i>F)</i>		
□ c	REATE, 🗆	MODIFY	Y, OR ⊠	DELE	TE								
Dosi	rad Tarm	Effortivo	Data 16 a	liait a	odo), 2019	200	0						
	red Term :: The first f		=	_	-			ate month	in which to	erm begins	5.		
וו כטווו	RSE IDENT	IEICATIOI	M. DUAD :	22E (1	inical Con	a re	nunicati	one					
1.0001	ASE IDENT	IFICATIO			, Course Nu								
	leting a co												
	nodification	•					hanged.						
IT Cre	ating a co	urse, con	npiete <u>aii</u>	reiev	ant fields	•							
		CURR	ENT						PROPO	OSED			
Prefix	Number Contact Lecture Hours		Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar		
		110015							1.00.0				
Title:	e: Click here to enter text.			Title:	Click here	to enter t	ext.	•					
Cred	redit Hours Prerequisites Co-			Cred	it Hours	Prerec	uisites		Co-				
	requisites									red	quisites		
Cours	e/Catalog	 Description	on <i>(125 w</i>	ords)			Course/Catalog Description (125 words)						
	nere to en		011 (123 17	<u> </u>			Click here to enter text.						
	e Outcom		sessment	Plan			Course Outcomes and Assessment Plan						
Click ł	nere to en	ter text.					Click h	ere to en	ter text.				
Cours	e Outline i	ncluding	Time Allo	catio	า		Course	e Outline i	including	Time Allo	catior	1	
Click h	nere to en	ter text.					Click h	ere to en	ter text.				
	ot LEC/LA		heck box	as apı	propriate	[Se	e Definit	ions in App	pendix E]:				
	Practicum												
	Independe	•											
	lege Code												
	partment		oose an it	em.									
	dit Hours:												
	Variable												
	Fixed	سريمانه المناسب	. Clial la										
	nimum Cre ximum Cr												
	urs may be					ι.							
J. 110	-	repeate	u ioi auu	itiona	r credit.								
		s, may tin	nes renea	ited: (lick here	to	enter to	ext. OR ma	ax credits	awarded	· Click	here to enter to	
⊣. Lev	-	s, max cm	пезтерев	itcu. (SHEK HETE	to	CITICI II	JAC. OK IIIC	ax credits	awaraca	. CIICK	nere to enter te	
	Undergrad	duate											
	Graduate												
	Profession	nal											
	de Metho												

J.	Does the proposed course replace an equivalent \square No	course?											
	☐ Yes – If yes, enter equivalent course: Click her	e to enter text.											
	Course Prefix, Number – Course Title												
K.	Term(s) Offered: Click here to enter text.	•											
L.	Max Section Enrollment:												
	Lecture: Click here to enter text.												
	Lab: Click here to enter text.												
	o be completed by Academic Affairs Office: Standards Basic Skill (BS), General Education,	_											
	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:											
0	FFICE OF THE REGISTRAR USE ONLY												
D	ate Rec'd: Date Completed:												
Fi	ntered TSCACRSE TSCADETI TSCARRES TSCAPR	FO											

PHAR 340 Course Information Form (formerly Form E and Form F)

	TION TO BE		morma	atioi	n FOITH	(/	orme	riy Fori	TI E ANG	u FOIIII	<i>F)</i>		
	CREATE,		Y. OR 🏻	DFLF	TF								
	J		.,										
D	esired Term	Effective	Date (6-c	digit c	ode): 2019	90	1						
NC	OTE: The first f	four digits	indicate ye	ear, th	e next two	dig	gits indic	ate month	in which to	erm begins	5.		
	LIDGE IDENT	UEICATIO	AL DUAD	3 4 Q NI				al Call Ca					
II.CO	URSE IDENT	IFICATIO			onprescriן , Course Nu				re				
If o	deleting a co	urse STO		FIEJIA	, course ive	,,,,	Dei – Coi	urse ritte					
	r modification			elds th	nat will be	cl	hanged.						
	creating a co	•					J						
		CURR	ENT					1	PROP	OSED	1		
Pref	ix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
		110013							110013				
Title	e: Click here	to enter t	text.	1	l		Title:	Click here	to enter t	text.	I		
Cr	Credit Hours Prerequisites Co-					Cred	it Hours	Prerec	quisites		Co-		
				re	quisites			requis					
Car	/Catalaa	Dogovinski	an (425	(-)			Carrie	o/Cotolog	Dogovinski	on /425	(-)		
	urse/Catalog k here to en	•	on (125 w	oras)			Course/Catalog Description (125 words) Click here to enter text.						
	rse Outcom		sessment	Plan			Course Outcomes and Assessment Plan						
	k here to en		30331110110	. 1 1011			Click here to enter text.						
	rse Outline i		Time Allo	catio	n		Course Outline including Time Allocation					n	
	k here to en							nere to en					
A. I	f not LEC/LA	B/SEM, C	heck box	as ap	propriate	[Se	e Definit	tions in App	endix E]:				
[☐ Practicum												
[\square Independe	ent Study											
B. (College Code	: Choose	an item.										
	Department		oose an it	em.									
	Credit Hours:												
	□ Variable												
	☐ Fixed	1											
	Minimum Cre Maximum Cr												
	Hours may be					l.							
	□ No	e repeate	u ioi auu	itiona	i credit.								
		s may tin	nes renes	ted: (flick here	to	enter to	evt OR ma	av cradits	awarded	· Click	here to enter to	
	_ res in ye _evels:	s, max m	пезтерев	iccu. (CHEK HETE	ıo	CITICI II	JAC. OK III	ax creates	awaraca	. CIICK	nere to enter te	
_	□ Undergrad	duate											
	☐ Graduate												
	□ Profession	nal											
	Grade Metho												

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent course										
	□ No										
\square Yes – If yes, enter equivalent course: Click here to enter text.											
	Course Prefix,	Number – Course Title									
K.	Term(s) Offered: Click here to enter text.										
L.	Max Section Enrollment:										
	Lecture: Click here to enter text.										
	Lab: Click here to enter text.										
To	o be completed by Academic Affairs Office: Standards & Meass	res Coding and General Education Code									
	🛾 Basic Skill (BS), 🗆 General Education, 🗆 Occupational Educa	tion, Gen Ed. Codes:									
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:									
	FFICE OF THE REGISTRAR USE ONLY										
	ate Rec'd: Date Completed:										
	n torod. \square SCACDSE \square SCADETI \square SCADDES \square SCADDEO										

PHAR 385 Course Information Form (formerly Form E and Form F)

	ON TO BE		morm	atioi	1 FOITH	(/	orme	riy Fori	TI E AM	u FOIIII	<i>F)</i>		
□ c	REATE, 🗆	MODIFY	Y, OR ⊠	DELE	TE								
							_						
			-	•	ode): 2018 e next two			ate month	in which to	erm heains	3		
7.072		our argres	marcate y	<i>- ui , tii</i>	e next two	u, g	gres mare.			erm segme			
I.COUF	RSE IDENT	IFICATIO			ractice Ski								
الا ما ما	- 4 :	······		Prefix	, Course Nu	ım	ber – Coı	ırse Title					
	eting a co			alde th	nat will be	ck	nangad						
		•			ant fields.		iaiigeu.						
		,	<u></u>										
		CURR	ENT						PROPO	DSED			
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
		110013							110013				
Title:	Click here	to enter t	text.		J		Title: (Click here	to enter t	ext.	I		
Cred	edit Hours Prerequisites Co-				Credi	t Hours	Prerec	luisites		Co-			
	requisites									rec	quisites		
Course	e/Catalog	Description	on /125 w	ords)			Course/Catalog Description (125 words)						
	ere to en	•	011 (123 W	orusy			Click here to enter text.						
	e Outcom		sessment	Plan			Course Outcomes and Assessment Plan						
Click h	ere to en	ter text.					Click here to enter text.						
	e Outline i		Time Allo	catio	n			e Outline i		Time Allo	catior	1	
	ere to en					-	l	ere to en					
			песк рох	as ap _l	propriate	[Se	e Definit	ions in App	endix EJ:				
	Practicum Independe												
	lege Code	•											
	partment (em.									
	dit Hours:												
	Variable												
	Fixed												
E. Mir	nimum Cre	edit Hours	s: Click he	ere to	enter text								
					enter tex	t.							
	urs may be	e repeate	d for add	itiona	l credit:								
	-	s, max tin	nes repea	ited: (Liick here	OJ	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter t	
H. Lev	eis: Undergrad	duate											
	Graduate	Juale											
	Oraduate Professior	nal											
	ide Metho												

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent course										
	□ No										
\square Yes – If yes, enter equivalent course: Click here to enter text.											
	Course Prefix,	Number – Course Title									
K.	Term(s) Offered: Click here to enter text.										
L.	Max Section Enrollment:										
	Lecture: Click here to enter text.										
	Lab: Click here to enter text.										
To	o be completed by Academic Affairs Office: Standards & Meas	res Coding and General Education Code									
	🛾 Basic Skill (BS), 🗆 General Education, 🗆 Occupational Educa	tion, Gen Ed. Codes:									
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:									
	FFICE OF THE REGISTRAR USE ONLY										
	ate Rec'd: Date Completed:										
	n torod. \square SCACDSE \square SCADETI \square SCADDES \square SCADDEO										

PHAR 386 Course Information Form (formerly Form E and Form F)

	TION TO BE		niorm	atioi	n FOITH	(1	orme	riy Fori	TI E ATIO	u FOIIII	<i>F)</i>		
	CREATE,		V OR 🏻	DELE	TF								
	CREATE, E	WODII	1, OK 🖂	DLLL									
D	esired Term	Effective	Date (6-d	ligit c	ode): 201	90	1						
N	OTE: The first j	four digits	indicate y	ear, th	e next two	di	gits indic	ate month	in which to	erm begins	; .		
II.CO	URSE IDENT	TFICATIO											
14	dalatina a ca	urco STO		Prefix	, Course Nu	ım	ber – Coi	urse Title					
	deleting a co r modification			alde +k	aat will he	اء د	hangad						
	creating a co						nangeu.						
	or catting a co	arse, con	p c.c <u>u</u>			•							
		CURR	ENT						PROPO	OSED			
Pref	ix Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar	
		Hours							Hours				
Title	e: Click here	to enter	text.				Title:	Click here	to enter t	text.			
	Credit Hours Prerequisites Co-						Cred	it Hours	Prerec	quisites		Co-	
	requisites			quisites						red	quisites		
	rse/Catalog	•	on <i>(125 w</i>	ords)			Click hard to enter tout						
	k here to en			DI			Click here to enter text.						
	rse Outcom		sessment	Pian			Course Outcomes and Assessment Plan						
-	k here to en Irse Outline		Time Alla	catio	n		Click here to enter text. Course Outline including Time Allocation						
	k here to en		Time And	catio				ere to en		Time And	catioi		
	f not LEC/LA		heck box	as ap	propriate	[Se	<u> </u>						
	☐ Practicum						_		-				
[☐ Independe	ent Study											
	College Code	•											
C. [Department	Code: Cho	oose an it	em.									
D. (Credit Hours	:											
[□ Variable												
[☐ Fixed												
E. 1	Minimum Cre	edit Hour	s: Click he	ere to	enter text								
F. 1	Maximum Cr	edit Hour	s: Click he	ere to	enter tex	t.							
G. H	Hours may be	e repeate	d for add	itiona	l credit:								
[□ No												
[\square Yes – If ye	s, max tir	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	Click	here to enter	text.
_	_evels:												
	☐ Undergra	duate											
	☐ Graduate												
	☐ Profession												
I. (Grade Metho	od:											

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent of	ourse?	
	□ No		
	☐ Yes – If yes, enter equivalent course: Click here	to enter text.	
	Course	Prefix, Number – Course Title	
K.	Term(s) Offered: Click here to enter text.		
L.	Max Section Enrollment:		
	Lecture: Click here to enter text.		
	Lab: Click here to enter text.		
To	o be completed by Academic Affairs Office: Standards 8	Measures Coding and General Education Code	
	$ ceil$ Basic Skill (BS), $ holdsymbol{\square}$ General Education, $ holdsymbol{\square}$ Occupationa	l Education, Gen Ed. Codes:	_
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:	
0	FFICE OF THE REGISTRAR USE ONLY		
D	ate Rec'd: Date Completed:		
Ei	ntered: \(\subseteq SCACRSE. \(\subseteq SCADETL. \) \(\subseteq SCARRES. \(\subseteq SCAPRE \)	0	

	AR 393 C		ntorm	atioi	n Form	()	rorme	riy Fori	m E and	a Form	<i>F)</i>		
	CREATE, □		Y, OR ⊠	DELE	TE								
C	Desired Term	Effective	Date (6-d	ligit c	ode): 2019	90!	5						
	OTE: The first j		=	_	=			ate month	in which to	erm begins	5.		
II ((OURSE IDENT	IEICATIOI	N. DHVB	303 C	ommunity	ı	ntro Dha	r Dract Ev	'n				
11.0	JONSE IDENT	II ICATIO			, Course Nu				·Ρ				
If	deleting a co	urse STO	P HERE.										
	or modification						hanged.						
If	creating a co	urse, con	nplete <u>all</u>	_relev	ant fields.								
		CURR	ENT						PROPO	OSED			
Pre	efix Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar	
		Hours							Hours				
Tit	le: Click here	to enter t	text.		1		Title:	Click here	to enter t	ext.	l .		
С	redit Hours	Prerec	quisites		Co-		Cred	it Hours	Prerec	uisites		Co-	
				re	quisites						red	quisites	
<u> </u>	/Catalaa	Dogovinski	on (425	(-)			Carre						
	urse/Catalog ck here to en		on (125 w	ords)			Course/Catalog Description (125 words) Click here to enter text.						
	urse Outcom		sessment	Plan			Course Outcomes and Assessment Plan						
	ck here to en		30331110111	. 1 1011			Click here to enter text.						
	urse Outline		Time Allo	catio	n		Course Outline including Time Allocation						
Cli	ck here to en	ter text.					Click h	nere to en	ter text.				
A.	If not LEC/LA	B/SEM, C	heck box	as ap	propriate <i>[</i>	Se	e Definit	tions in App	endix E]:				
	☐ Practicum												
	☐ Independe	•											
	College Code												
	Department		oose an it	em.									
υ.	Credit Hours:												
	☐ Variable												
E.	☐ Fixed Minimum Cre	adit Haur	c. Click be	ro to	ontor toyt								
	Maximum Cr												
	Hours may be												
•	□ No	. opcate											
		s, max tin	nes repea	ited: (Click here t	o	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter te	
Н.	Levels:	,		=		_							
	☐ Undergrad	duate											
	☐ Graduate												
	☐ Profession	nal											
I.	Grade Metho	od:											

J. Does the proposed course replace	an equivalent course?								
□ No									
\square Yes – If yes, enter equivalent co	urse: Click here to enter text.								
	Course Prefix, Number – Course Title								
K. Term(s) Offered: Click here to enter	r text.								
L. Max Section Enrollment:									
Lecture: Click here to enter text.									
Lab: Click here to enter text.									
To be completed by Academic Affairs Of	fice: Standards & Measures Coding and General Education Code								
☐ Basic Skill (BS), ☐ General Education	, 🗆 Occupational Education, Gen Ed. Codes:								
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
OFFICE OF THE REGISTRAR USE ONLY									
Date Rec'd: Date Complete									
Fntered · □ SCACRSE □ SCADETI □ SCA	RRES / SCAPREO								

PHAR 411 Course Information Form (formerly Form E and Form F)

	TION TO BE		niorm	atioi	n FOITH	(1	orme	riy Fori	TI E ATI	u FOIIII	<i>F)</i>		
	CREATE, □		V. OR ⊠	DFLF	TF								
	- CILLY III		., o <u>_</u>										
D	Desired Term Effective Date (6-digit code): 201908 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.												
N	OTE: The first	four digits	indicate y	ear, th	e next two	di	gits indic	ate month	in which to	erm begins	5.		
						_							
II.CC	DURSE IDENT	TFICATIO			-			Title					
ıf	deleting a co	ursa STO		Prejix	, Course Nu	ım	ber – Col	urse Title					
	or modification			elds th	nat will be	cl	hanged.						
	creating a co	-					iiaiigeai						
	J	•	•	_									
		CURR	ENT						PROP	OSED			
Pre	fix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
		Tiours							Hours				
Titl	e: Click here	to enter t	text.		1		Title:	Click here	to enter t	text.	I		
Cr	edit Hours	Prerec	quisites		Co-		Cred	it Hours	Prerec	quisites		Co-	
				red	quisites						red	quisites	
_	/0			L				/o l			L .		
	urse/Catalog	•	on (125 w	ords)			Click hard to opter tout						
	ck here to en urse Outcom		coccmont	Dlan			Click here to enter text. Course Outcomes and Assessment Plan						
	ck here to en		36331116111	. Flall			Click here to enter text.						
-	urse Outline		Time Allo	catio	 n		Course Outline including Time Allocation						
	ck here to en				· ·			nere to en				-	
Α.	If not LEC/LA	B/SEM, C	heck box	as ap	propriate	[Se	e Definit	tions in App	pendix E]:				
	\square Practicum	1											
	\square Independ	ent Study											
В.	College Code	: Choose	an item.										
	Department		oose an it	em.									
	Credit Hours	:											
	□ Variable												
	☐ Fixed												
	Minimum Cr												
	Maximum Cr					τ.							
	Hours may b \square No	e repeate	d for add	itiona	i credit:								
		s may tin	nos ronos	tod: (Click horo	t-o	ontor to	ovt OP ma	av cradita	awardod	Click	horo to on	tor toyt
	□ Yes – If ye Levels:	:5, 111ax tii	nes repea	iteu. (CHCK HEIE	ιυ	enter te	ext. OK IIId	ax credits	awarueu	. CIICK	nere to em	ter text.
	□ Undergra	duate											
	□ Graduate												
	□ Graduate □ Profession	nal											
	Grade Metho												

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent cou ☐ No	urse?							
	\square Yes – If yes, enter equivalent course: Click here to	enter text.							
	Course Pr	efix, Number – Course Title							
K.	Term(s) Offered: Click here to enter text.								
L.	Max Section Enrollment:								
	Lecture: Click here to enter text.								
	Lab: Click here to enter text.								
	o be completed by Academic Affairs Office: Standards & N	_							
	🛚 Basic Skill (BS), 🗆 General Education, 🗀 Occupational E	ducation, Gen Ed. Codes:							
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:							
	FEICE OF THE DECISTRAD LICE ONLY								
_	FFICE OF THE REGISTRAR USE ONLY								
	ate Rec'd: Date Completed:								
1 <i>Ft</i>	ntered: \Box SCACRSF. \Box SCADETL. \Box SCARRES. \Box SCAPREO								

	CA12 CO		ntorma	atior	1 Form	(7	rorme	riy Fori	n E an	a Form) <i>F)</i>		
□ c	REATE, 🗆	MODIFY	/, OR ⊠	DELE	TE								
Desi	red Term	Effective	Date (6-c	ligit c	nde): 201	909	R						
	: The first f		=	_	-			ate month	in which t	erm begins	5.		
II COLII	RSE IDENT	IEICATION	M. DUAD A	112 D	rua Action								
1.0001	ASE IDEIVI	IFICATION			, Course Ni			ırse Title					
	eting a co												
	nodificatio	•					nanged.						
IT Cre	ating a co	urse, com	ipiete <u>aii</u>	reiev	ant fields	•							
		CURRI	ENT						PROP	OSED			
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
	Click here			1				Click here	1		1		
Cred	it Hours	Prereq	uisites	red	Co- quisites		Credi	t Hours	Prered	quisites	red	Co- luisites	
	e/Catalog	•	on <i>(125 w</i>	ords)			Course/Catalog Description (125 words) Click here to enter text.						
	nere to ent			Dlan			Course Outcomes and Assessment Plan						
	e Outcome nere to ent		sessment	Plan						sessment	Plan		
	e Outline i		Time Allo	cation	า		Click here to enter text. Course Outline including Time Allocation						
	nere to ent		71110	cation	•		Click here to enter text.						
	ot LEC/LA		neck box	as apı	oropriate	[Se	l						
	Practicum				•	-	-		-				
	Independe	ent Study											
	lege Code	•	an item.										
C. De _l	partment (Code: Cho	ose an it	em.									
	dit Hours:												
	Variable												
	Fixed												
. Mir	nimum Cre	dit Hours	: Click he	re to	enter text	t.							
. Ma	ximum Cr	edit Hours	s: Click he	ere to	enter tex	t.							
G. Ho	urs may be	e repeated	d for add	itiona	l credit:								
	No												
	Yes – If ye	s, max tim	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to ent	ter text
H. Lev	. Levels:												
	Undergrad	luate											
	Graduate												
	Profession	al											
. Gra	de Metho	d:											
	Standard I	etter Gra	ding										

J. Does the proposed cours	se replace an equivalent o	course?
\square No		
\square Yes – If yes, enter equ	ivalent course: Click here	to enter text.
	Course	Prefix, Number – Course Title
K. Term(s) Offered: Click he	ere to enter text.	
L. Max Section Enrollment:		
Lecture: Click here to en	ter text.	
Lab: Click here to enter t	ext.	
To be completed by Academic	: Affairs Office: Standards 8	& Measures Coding and General Education Code
☐ Basic Skill (BS), ☐ General	Education, \square Occupationa	al Education, Gen Ed. Codes:
UCC Chair Signature & Date:		Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR US	_	
Date Rec'd: Dat	:e Completed:	<u></u>
Entered TSCACRSE TSCAD	FTI TSCARRES TSCAPRE	50

PHAR 413 Course Information Form (formerly Form E and Form F)

	CTION TO BE		niorm	atioi	1 FOITH	(1	orme	riy Fori	TI E ATIO	u FOIIII	<i>F)</i>		
	CREATE,		V OR 🖾	DELE	TF								
	CREATE, L	IVIODIF	I, OK 🖂	DLLL	.1 L								
D	Desired Term Effective Date (6-digit code): 202001												
	OTE: The first		=	_	=			ate month	in which to	erm begins	;.		
II.CC	OURSE IDENT	TIFICATIO			_								
				Prefix	, Course Νι	ım	ber – Co	urse Title					
	deleting a co			الم ماماء	م ما اللنيين غ م م	ا۔	لممحمط						
	or modification of the contraction of the contractions of the contraction of the contract	•					nangea.						
"	creating a co	Juise, con	iipiete <u>aii</u>	_i eiev	ant neius	•							
		CURR	ENT						PROP	OSED			
Pre	fix Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar	
		Hours							Hours				
Titl	le: Click here	to enter	text.				Title: (Click here	to enter t	text.			
	redit Hours		quisites		Co-		Cred	it Hours	Prerec	uisites		Co-	
				re	quisites						red	quisites	
_	urse/Catalog	•	on <i>(125 w</i>	ords)			Course/Catalog Description (125 words)						
	ck here to en			DI.			Click here to enter text.						
	urse Outcom		sessment	Plan			Course Outcomes and Assessment Plan Click here to enter text.						
	ck here to en urse Outline		Time Alla	catio	n			e Outline i		Time Allo	cation	,	
	ck here to en		Time And	catio				ere to en		Time And	catioi		
	If not LEC/LA		heck box	as ap	propriate	[Se	<u> </u>						
	☐ Practicum								-				
	☐ Independ	ent Study											
В. (College Code	: Choose	an item.										
C.	Department	Code: Cho	oose an it	em.									
D.	Credit Hours	:											
	□ Variable												
	\square Fixed												
	Minimum Cr												
	Maximum Cr					t.							
	Hours may b —	e repeate	d for add	itiona	l credit:								
	□ No												
	☐ Yes – If ye	es, max tir	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	Click	here to en	iter text.
	Levels:												
	☐ Undergra												
	☐ Graduate												
	☐ Profession												
I. (Grade Metho	od:											

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent cours	e?							
	\square No								
	\square Yes – If yes, enter equivalent course: Click here to en	iter text.							
	Course Prefix	r, Number – Course Title							
K.	Term(s) Offered: Click here to enter text.								
L.	Max Section Enrollment:								
	Lecture: Click here to enter text.								
	Lab: Click here to enter text.								
To	be completed by Academic Affairs Office: Standards & Mea	sures Coding and General Education Code							
	Basic Skill (BS), 🗆 General Education, 🗀 Occupational Edu	cation, Gen Ed. Codes:							
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:							
		, load of the first of the firs							
0	FFICE OF THE REGISTRAR USE ONLY								
D	ate Rec'd: Date Completed:	<u>-</u>							
Fr	ntered: \(\subseteq SCACRSF. \(\subseteq SCADETL. \) \(\subseteq SCARRES. \(\subseteq SCAPREO \)								

PHAR 414 Course Information Form (formerly Form E and Form F)

	N TO BE		niorm	auor	1 FOIIII	(/	orme	riy Fori	TI E AM	ווווטר גי	<i>F)</i>			
□ c	REATE, 🗆	MODIF	Y, OR ⊠	DELE	TE									
	_													
	red Term		=	_	=			ata manth	in which t	arma haqina				
NOTE	: The first f	our aigits	maicate ye	ear, tri	e next two	uig	gits iriaic	ate month	iri wriicri te	erm begins				
ı.coui	RSE IDENT	IFICATIO	N: PHAR 4	414 D	rug Actior	ո 4								
			Course	Prefix	, Course Nu	ım	ber – Col	ırse Title						
	eting a co													
	nodificatio	-					nanged.							
it cre	ating a co	urse, con	npiete <u>aii</u>	reiev	ant fields	•								
	_	CURR	ENT						PROP	OSED				
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar		
		Tiours							Hours					
Title:	Click here	to enter t	text.		l		Title:	Click here	to enter t	ext.	I			
Cred	it Hours	Prerec	uisites		Co-		Credi	t Hours	Prerec	uisites		Co-		
				red	quisites						red	quisites		
Courc	o/Catalog	Doccrinti	on /125 w	ords)			Course	2/Catalog	Doccrinti	on /125 w	ords)			
	e/Catalog nere to en	•	OH (125 W	oras)			Course/Catalog Description (125 words) Click here to enter text.							
	e Outcom		sessment	· Plan			Course Outcomes and Assessment Plan							
	nere to en						Click here to enter text.							
Cours	e Outline i	including	Time Allo	catio	n		Course Outline including Time Allocation							
	nere to en						Click here to enter text.							
	ot LEC/LA		heck box	as apı	propriate	[Se	e Definit	ions in App	endix E]:					
	Practicum													
	Independe	•												
	lege Code			0.00										
	partment (dit Hours:		ose an it	em.										
	Variable													
_	Fixed													
	nimum Cre	edit Hours	s: Click he	ere to	enter text									
. Ma	ximum Cr	edit Hour	s: Click he	ere to	enter tex	t.								
G. Ho	urs may be	e repeate	d for add	itiona	l credit:									
	No													
	Yes – If ye	s, max tin	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	Click	here to enter t		
H. Lev	_													
	Undergrad	duate												
	Graduate													
	Profession													
. Gra	ide Metho	d:												

 \square Standard Letter Grading

J. Does the pro	oposed course replace an equivalent c	course?								
□ No										
\square Yes – If ye	es, enter equivalent course: Click here	to enter text.								
• ,	·	Prefix, Number – Course Title								
K. Term(s) Offe	ered: Click here to enter text.									
L. Max Section	Enrollment:									
Lecture: Clic	Lecture: Click here to enter text.									
Lab: Click he	ere to enter text.									
To be completed	by Academic Affairs Office: Standards &	Measures Coding and General Education Code								
☐ Basic Skill (BS	s), 🗆 General Education, 🗖 Occupationa	l Education, Gen Ed. Codes:								
UCC Chair Signat	ture & Date:	Academic Affairs Approval Signature & Date:								
OFFICE OF THE R	REGISTRAR USE ONLY									
Date Rec'd:	Date Completed:									
Fntered · □ SCAC	CRSE TSCADETI TSCARRES TSCAPRE	0								

PHAR 421 Course Information Form (formerly Form E and Form F)

	TION TO BE		morm	atioi	n FOITH	(1	orme	riy Fori	TI E ANG	u FOIIII	<i>F)</i>		
	CREATE,		Y. OR 🏻	DFLF	TF								
	J		.,										
D	esired Term	Effective	Date (6-d	digit c	ode): 201	90	8						
N	OTE: The first f	four digits	indicate y	ear, th	e next two	di	gits indic	ate month	in which to	erm begins	5.		
	LIDGE IDENT	UEICATIO	AL DUAD	424 4			- /1£+	D:- 4					
II.CO	URSE IDENT	IFICATIO			ppוופט ועווי , Course Nu								
If (deleting a co	urse STO		FIEJIA	, course ive	,,,,	Dei – Coi	arse ritte					
	r modification			elds th	nat will be	cl	hanged.						
	creating a co	•					J						
		CURR	ENT					1	PROP	OSED	1		
Pref	ix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
		110013							110013				
Titl	e: Click here	to enter t	text.	1			Title:	Click here	to enter t	text.	I		
Cr	edit Hours	Prerec	quisites		Co-		Cred	it Hours	Prerec	quisites		Co-	
				re	quisites						red	quisites	
<u></u>	/C-+-	Danaminati	(425	, ,			C	- /C-+-	Danasisati	(425			
	urse/Catalog k here to en	•	on (125 w	oras)			Course/Catalog Description (125 words) Click here to enter text.						
	rse Outcom		sessment	Plan			Course Outcomes and Assessment Plan						
	k here to en		30331110110	. 1 1011			_	ere to en		30331110110	- iuii		
-	rse Outline i		Time Allo	catio	n			e Outline i		Time Allo	catior	n .	
	k here to en							ere to en					
A. I	f not LEC/LA	B/SEM, C	heck box	as ap	propriate	[Se	e Definit	ions in App	endix E]:				
[☐ Practicum												
	\square Independe	•											
	College Code												
	Department		oose an it	em.									
	Credit Hours:												
	□ Variable												
	☐ Fixed	1											
	Minimum Cre Maximum Cr												
	Hours may be					l.							
	□ No	e repeate	u ioi auu	itiona	i credit.								
		s may tin	nes renes	ted: (flick here	to	enter to	evt OR ma	av cradits	awarded	· Click	here to enter to	
	_ res in ye _evels:	s, max m	пезтерес	iccu. (CHEK HETE	ıo	CITICI II	JAC. OK IIIC	ax creates	awaraca	. CIICK	nere to enter to	
_	□ Undergrad	duate											
	□ Graduate	-											
	□ Profession	nal											
	Grade Metho												

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent course										
	□ No										
	☐ Yes – If yes, enter equivalent course: Click here to enter text.										
	Course Prefix,	Number – Course Title									
K.	Term(s) Offered: Click here to enter text.										
L.	Max Section Enrollment:										
	Lecture: Click here to enter text.										
	Lab: Click here to enter text.										
To	o be completed by Academic Affairs Office: Standards & Meas	res Coding and General Education Code									
	🛾 Basic Skill (BS), 🗆 General Education, 🗆 Occupational Educa	tion, Gen Ed. Codes:									
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:									
	FFICE OF THE REGISTRAR USE ONLY										
	ate Rec'd: Date Completed:										
	n torod. \square SCACDSE \square SCADETI \square SCADDES \square SCADDEO										

PHAR 422 Course Information Form (formerly Form E and Form F)

	TION TO BE		niorm	atioi	n FOITH	(1	orme	riy Fori	TI E ANG	u FOIIII	<i>F)</i>		
	CREATE, □		Y. OR ⊠	DFLF	TF								
			.,										
D	esired Term	Effective	Date (6-0	ligit c	ode): 202	00	1						
N	OTE: The first	four digits	indicate y	ear, th	e next two	di	gits indic	ate month	in which to	erm begins	i.		
								.					
II.CC	OURSE IDENT	IFICATIO			ppוופט ועוו י , Course Nu								
If	deleting a co	ourse STO		riejix	, course ivi	,,,,	Dei – Coi	uise iille					
	r modificati			elds th	nat will be	cl	hanged.						
	creating a co						. 0						
			-										
		CURR	ENT						PROP	OSED			
Pre	fix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
		110013							110013				
Titl	e: Click here	to enter	text.	<u> </u>	I.		Title:	Click here	to enter t	text.	I		
Cr	edit Hours	Prerec	quisites		Co-		Cred	it Hours	Prerec	quisites		Co-	
				re	quisites						red	quisites	
	/0		(1.5.5	L				/0		/			
	urse/Catalog	•	on (125 w	ords)			Course/Catalog Description (125 words)						
-	k here to en urse Outcom		coccmont	· Dlan			Click here to enter text.						
	k here to en		36331116111	. Pidii			Course Outcomes and Assessment Plan Click here to enter text.						
-	urse Outline		Time Allo	catio	n		Course Outline including Time Allocation						
	k here to en				•		Click here to enter text.						
A. I	f not LEC/LA	B/SEM, C	heck box	as ap	propriate	[Se	See Definitions in Appendix E]:						
	☐ Practicum	1											
	☐ Independ	ent Study											
В. (College Code	: Choose	an item.										
C. 1	Department	Code: Ch	oose an it	em.									
D. (Credit Hours	:											
	\square Variable												
	\square Fixed												
	Minimum Cr												
	Maximum Cr					t.							
	Hours may b	e repeate	d for add	itiona	l credit:								
	□ No			_				_	_	_			
	-	s, max tir	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	Click	here to enter	
	Levels:												
	□ Undergra	duate											
	☐ Graduate	1											
	☐ Profession												
1. (Grade Metho	od:											

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent cou	rse?
	□ No	
	☐ Yes – If yes, enter equivalent course: Click here to	enter text.
	Course Pre	fix, Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
To	o be completed by Academic Affairs Office: Standards & M	-
L	\square Basic Skill (BS), \square General Education, \square Occupational Ed	lucation, Gen Ed. Codes:
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
0	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	_
Fi	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

	AR 425 C		ntorm	atioi	n Form	(1	rorme	riy Fori	m E and	a Form	<i>F)</i>		
	CREATE,		Y, OR ⊠	DELE	TE								
C	Desired Term OTE: The first j	Effective	Date (6-c	ligit c	ode): 2020			ate month	in which te	erm beains	5.		
			,	,			,						
II.C	OURSE IDENT	IFICATIO			-			_					
ıf	deleting a co	ursa STO		Prefix	, Course Nu	ım	ber – Co	urse Title					
	or modification			elds ti	nat will be	cŀ	hanged.						
	creating a co	-					gcu.						
		-	•	_"									
		CURR	ENT						PROPO	DSED			
Pre	efix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
									110010				
Tit	le: Click here	to enter t	text.		•		Title:	Click here	to enter t	ext.	ı		
С	redit Hours	Prerec	quisites		Co-		Cred	it Hours	Prerec	uisites		Co-	
				re	quisites						rec	quisites	
<u> </u>	urse/Catalog	Doccrinti	on /125 w	ords)			Course/Catalog Description (135 words)						
	ck here to en	•	011 (125 W	orus)			Course/Catalog Description (125 words) Click here to enter text.						
	urse Outcom		sessment	· Plan			Course Outcomes and Assessment Plan						
	ck here to en						Click here to enter text.						
Со	urse Outline	including	Time Allo	catio	n		Course Outline including Time Allocation						
	ck here to en						Click here to enter text.						
A.			heck box	as ap	propriate [Se	ee Definitions in Appendix E]:						
	☐ Practicum												
_	☐ Independe	•											
	College Code												
	Department Credit Hours		oose an it	em.									
υ.	☐ Variable	•											
	☐ Fixed												
E.	Minimum Cre	edit Hour	s: Click he	re to	enter text								
	Maximum Cr												
G.	Hours may be	e repeate	d for add	itiona	l credit:								
	□ No	-											
	☐ Yes – If ye	s, max tin	nes repea	ited: (Click here t	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter to	
Н.	Levels:		-										
	☐ Undergrad	duate											
☐ Graduate													
	☐ Profession	nal											
I.	Grade Metho	od:											

J. Does the proposed course replace	an equivalent course?										
□ No											
\square Yes – If yes, enter equivalent co	urse: Click here to enter text.										
	Course Prefix, Number – Course Title										
K. Term(s) Offered: Click here to enter	r text.										
L. Max Section Enrollment:	Max Section Enrollment:										
Lecture: Click here to enter text.											
Lab: Click here to enter text.											
To be completed by Academic Affairs Of	fice: Standards & Measures Coding and General Education Code										
☐ Basic Skill (BS), ☐ General Education	, 🗆 Occupational Education, Gen Ed. Codes:										
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:										
OFFICE OF THE REGISTRAR USE ONLY											
Date Rec'd: Date Complete											
Fntered · □ SCACRSE □ SCADETI □ SCA	RRES / SCAPREO										

	IAR 428 C		ntorm	atioi	n Form	(7	torme	riy Fori	m E and	a Form	<i>F)</i>		
	CHON TO BE		Y, OR ⊠	DELE	TE								
0	Desired Term	Effective	Date (6-c	ligit c	ode): 2019								
٨	IOTE: The first j	four digits	indicate y	ear, th	e next two	di	gits indic	ate month	in which te	erm begins	5.		
II.C	OURSE IDENT	IFICATIO	N: PHAR	428 P	harmacoki	ine	etics						
			Course	Prefix	, Course Nu	ım	ber – Co	urse Title					
	deleting a co												
	or modification	-					hanged.						
IT	creating a co	urse, con	npiete <u>aii</u>	_reiev	ant fields.								
		CURR	ENT						PROPO	DSED			
Pre	efix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
									110010				
Tit	le: Click here	to enter t	text.	•			Title:	Click here	to enter t	ext.	•		
С	redit Hours	Prerec	quisites		Co-		Cred	it Hours	Prerec	uisites		Co-	
				re	quisites						red	quisites	
Co	urse/Catalog	Description	on /125 w	ords)			Cours	Course/Catalog Description (125 words)					
	ck here to en		011 (123 W	orusj			Click here to enter text.						
	urse Outcom		sessment	Plan			Course Outcomes and Assessment Plan						
Cli	ck here to en	ter text.					Click here to enter text.						
Со	urse Outline	including	Time Allo	catio	n		Course Outline including Time Allocation						
	ck here to en						Click here to enter text.						
A.	If not LEC/LA		heck box	as ap	propriate [Se	ee Definit	tions in App	endix E]:				
	☐ Practicum												
D	☐ Independe	•											
	College Code Department			om									
	Credit Hours		Jose all it	CIII.									
	☐ Variable												
	☐ Fixed												
E.	Minimum Cre	edit Hour	s: Click he	ere to	enter text								
F.	Maximum Cr	edit Hour	s: Click he	ere to	enter text	t.							
G.	Hours may be	e repeate	d for add	itiona	l credit:								
	\square No												
	\square Yes – If ye	s, max tin	nes repea	ited: (Click here t	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter to	
Н.	Levels:												
	☐ Undergrad	duate											
	☐ Graduate	_											
	☐ Profession												
١.	Grade Metho	od:											

J. Does the proposed course replace	an equivalent course?										
□ No											
\square Yes – If yes, enter equivalent co	urse: Click here to enter text.										
	Course Prefix, Number – Course Title										
K. Term(s) Offered: Click here to enter	r text.										
L. Max Section Enrollment:	Max Section Enrollment:										
Lecture: Click here to enter text.											
Lab: Click here to enter text.											
To be completed by Academic Affairs Of	fice: Standards & Measures Coding and General Education Code										
☐ Basic Skill (BS), ☐ General Education	, 🗆 Occupational Education, Gen Ed. Codes:										
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:										
OFFICE OF THE REGISTRAR USE ONLY											
Date Rec'd: Date Complete											
Fntered · □ SCACRSE □ SCADETI □ SCA	RRES / SCAPREO										

PHAR 485 Course Information Form (formerly Form E and Form F)

	TION TO BE		niorm	atioi	n FOITH	(1	orme	riy Fori	TI E ATI	u FOIIII	<i>F)</i>		
_	CREATE, □		V OR 🏻	DFLF	TF								
	CREATE, L	IVIODIF	I, OK 🖂	DLLL	.16								
D	esired Term	Effective	Date (6-c	digit c	ode): 201	90	8						
	OTE: The first		=	_	=			ate month	in which to	erm begins	;.		
II.CC	URSE IDENT	TFICATIO											
				Prefix	, Course Νι	ım	ber – Co	urse Title					
	deleting a co			الم ماماء	م ما اللنيين غ م م	ا۔	لممحمط						
	r modification	•					nangea.						
	creating a co	Juise, con	iipiete <u>aii</u>	_i eiev	ant neius	•							
		CURR	ENT						PROP	OSED			
Pref	fix Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar	
		Hours							Hours				
Titl	e: Click here	to enter	text.		1		Title: (Click here	to enter i	text.			
	edit Hours		quisites		Co-		 	it Hours	ı	uisites		Co-	
				re	quisites						red	quisites	
	urse/Catalog	•	on <i>(125 w</i>	ords)			Course/Catalog Description (125 words)						
-	k here to en						Click here to enter text.						
-	urse Outcom		sessment	Plan			Course Outcomes and Assessment Plan						
-	k here to en		Time Alle	catio	<u> </u>		Click here to enter text.						
	urse Outline k here to en		Time And	catio	11		Course Outline including Time Allocation Click here to enter text.						
			heck box	as ap	propriate	[Se	See Definitions in Appendix E]:						
	☐ Practicum				p p								
	□ Independ												
	College Code	•											
	Department			em.									
D. (Credit Hours	:											
I	☐ Variable												
I	☐ Fixed												
E. 1	Minimum Cr	edit Hour	s: Click he	ere to	enter text								
F. I	Maximum Cr	edit Hour	s: Click he	ere to	enter tex	t.							
G. I	Hours may b	e repeate	d for add	itiona	l credit:								
	□ No												
I	\square Yes – If ye	es, max tir	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	Click	here to enter	r text.
H. I	_evels:												
	☐ Undergra	duate											
	☐ Graduate												
	☐ Profession												
l. (Grade Metho	od:											

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent of	ourse?									
	□ No										
	☐ Yes – If yes, enter equivalent course: Click here to enter text.										
	Course	Prefix, Number – Course Title									
K.	Term(s) Offered: Click here to enter text.										
L.	Max Section Enrollment:										
	Lecture: Click here to enter text.										
	Lab: Click here to enter text.										
To	o be completed by Academic Affairs Office: Standards 8	Measures Coding and General Education Code									
	$ ceil$ Basic Skill (BS), $ holdsymbol{\square}$ General Education, $ holdsymbol{\square}$ Occupationa	l Education, Gen Ed. Codes:	_								
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:									
0	FFICE OF THE REGISTRAR USE ONLY										
D	ate Rec'd: Date Completed:										
Ei	ntered: \(\subseteq SCACRSE. \(\subseteq SCADETL. \) \(\subseteq SCARRES. \(\subseteq SCAPRE \)	0									

PHAR 486 Course Information Form (formerly Form E and Form F)

	AR 486 C		morm	atioi	n FOITH	(1	orme	riy Fori	TI E ANG	u FOIIII	<i>F)</i>		
	CREATE,		Y. OR ⊠	DELE	TE								
			.,										
D	esired Term	Effective	Date (6-d	digit c	ode): 2020	00	1						
N	OTE: The first	four digits	indicate y	ear, th	e next two	di	gits indic	ate month	in which to	erm begins	5.		
	NUDGE IDENIA	UEICATIO	AL DUAD	40C D									
II.CC	DURSE IDENT	IFICATIO			ractice Ski , Course Nu			urse Title					
If	deleting a co	ourse STO		FIEJIA	, course ive	,,,,	Dei – Coi	urse ritie					
	or modificati			elds th	nat will be	cl	hanged.						
	creating a co						J						
		CURR	ENT					1	PROP	OSED	1		
Pre	fix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
		110013							110013				
Titl	e: Click here	to enter	text.	1	l		Title:	Click here	to enter t	text.	I	1	
Cr	edit Hours	Prerec	quisites		Co-		Cred	it Hours	Prerec	quisites		Co-	
				re	quisites						red	quisites	
<u> </u>		Danasisati	(425	, ,			C	- /C-+-	Danasisati	(425			
	urse/Catalog ck here to en	•	on (125 w	oras)			Course/Catalog Description (125 words) Click here to enter text.						
	urse Outcom		sessment	Plan			Course Outcomes and Assessment Plan						
	ck here to en		30331110110	. 1 1011			Click here to enter text.						
-	urse Outline		Time Allo	catio	n		Course Outline including Time Allocation						
-	ck here to en						Click here to enter text.						
Α.	If not LEC/LA	B/SEM, C	heck box	as ap	propriate	[Se	e Definit	tions in App	endix E]:				
	□ Practicum	ı											
	\square Independ	ent Study											
	College Code												
	Department		oose an it	em.									
	Credit Hours	:											
	☐ Variable												
	☐ Fixed	11											
	Minimum Cr Maximum Cr												
	Hours may b					l.							
	□ No	e repeate	u ioi auu	itiona	i credit.								
		s may tir	nes renes	ted: (flick here	to	enter to	evt OR ma	av cradits	awarded	· Click	here to enter t	
	Levels:	s, max m	пезтерес	iccu. (CHEK HETE	ıo	CITICI II	JAC. OK III	ax creates	awaraca	. CIICK	nere to enter t	
	□ Undergra	duate											
	□ Graduate	-											
	☐ Profession	nal											
	Grade Metho												

 \square Standard Letter Grading

J. Does the proposed course replace	an equivalent course?										
□ No											
\square Yes – If yes, enter equivalent co	urse: Click here to enter text.										
	Course Prefix, Number – Course Title										
K. Term(s) Offered: Click here to enter	r text.										
L. Max Section Enrollment:	Max Section Enrollment:										
Lecture: Click here to enter text.											
Lab: Click here to enter text.											
To be completed by Academic Affairs Of	fice: Standards & Measures Coding and General Education Code										
☐ Basic Skill (BS), ☐ General Education	, 🗆 Occupational Education, Gen Ed. Codes:										
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:										
OFFICE OF THE REGISTRAR USE ONLY											
Date Rec'd: Date Complete											
Fntered · □ SCACRSE □ SCADETI □ SCA	RRES / SCAPREO										

PHAR 491 Course Information Form (formerly Form E and Form F)

	ON TO BE		niorm	auor	1 FOITH	(/	orme	riy Fori	TI E AM	ווווטר גי	<i>F)</i>		
□ c	REATE, 🗆	MODIF	Y, OR ⊠	DELE	TE								
							_						
	red Term		-	_	-			ata manth	in which t	arm hagin			
NOTE	:: The first f	our aigits	maicate ye	ear, tri	e next two	uig	gits iriaici	ate month	iri wriicri te	erm begins			
I.COUF	RSE IDENT	IFICATIO	N: PHAR 4	491 Lo	ongitud Pt	:-C	entered	IPPE 1					
			Course	Prefix,	, Course Νι	ım	ber – Cou	ırse Title					
	eting a co												
	nodificatio	•					hanged.						
It cre	ating a co	urse, con	nplete <u>all</u>	relev	ant fields	•							
		CURR	ENT						PROPO	DSED			
Prefix	Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar	
		Hours	1						Hours				
Title:	Click here	to enter t	text.				Title: (Click here	to enter t	ext.			
Cred	it Hours	Prerec	uisites		Co-		Credi	t Hours	Prerec	uisites		Co-	
				red	quisites						red	quisites	
<u> </u>	-/C-+-	Danaminati	(425				C	- /C-+-	Danaminati	(425			
	e/Catalog nere to en	•	on (125 w	ords)			Course/Catalog Description (125 words)						
	e Outcom		sessment	· Plan			Click here to enter text. Course Outcomes and Assessment Plan						
	nere to en		36331116111	. r iaii			Click here to enter text.						
	e Outline i		Time Allo	cation	n		Course Outline including Time Allocation						
Click h	nere to en	ter text.					Click here to enter text.						
۹. If n	ot LEC/LA	B/SEM, C	heck box	as apı	propriate	[Se	e Definit	ions in App	endix E]:				
	Practicum												
	Independe	•											
	lege Code												
	oartment (dit Hours:		oose an it	em.									
	variable												
	Fixed												
	nimum Cre	edit Hours	s. Click he	re to	enter text								
	ximum Cr												
	urs may be	e repeate	d for add	itiona	l credit:								
		·											
	Yes – If ye	s, max tin	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	Click	here to enter t	
H. Lev	-		-										
	Undergrad	duate											
	Graduate												
	Professior												
. Gra	ide Metho	d:											

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent	t course?
	□ No	
	☐ Yes – <i>If yes, enter equivalent course:</i> Click he	re to enter text.
	Cours	se Prefix, Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
To	o be completed by Academic Affairs Office: Standards	& Measures Coding and General Education Code
	ceil Basic Skill (BS), $ ceil$ General Education, $ ceil$ Occupation	nal Education, Gen Ed. Codes:
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
Ei	ntered: \square <code>SCACRSE</code> , \square <code>SCADETL</code> , \square <code>SCARRES</code> , \square <code>SCAPI</code>	₹EQ

	CTION TO BE		ntorma	atioi	n Form	()	rorme	riy Fori	m E and	a Form	<i>F)</i>		
	\Box CREATE, \Box		Y, OR ⊠	DELE	TE								
						٠.	-						
	Desired Term IOTE: The first j		-	_	-			ate month	in which to	erm begins	5.		
II C	OLIDEE IDENT	TICATIO	N. DUAD	102 1	at Intra Di	L —	u Duas E						
II.C	OURSE IDENT	IFICATIO			, Course Nu			•					
	deleting a co			_									
	or modification						hanged.						
It	creating a co	urse, con	nplete <u>all</u>	_relev	ant fields.								
		CURR	ENT						PROPO	DSED			
Pre	efix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
_	le: Click here							Click here	1		1		
С	redit Hours	Prerec	quisites		Co-		Cred	it Hours	Prerec	uisites		Co-	
				re	quisites						rec	quisites	
Со	urse/Catalog	Descripti	on <i>(125 w</i>	ords)			Course	e/Catalog	Descripti	on <i>(125 w</i>	ords)		
	ck here to en		,				1	nere to en	•	,			
Со	urse Outcom	es and As	sessment	Plan			Course	e Outcom	es and As	sessment	Plan		
	ck here to en						+	nere to en					
-	urse Outline		Time Allo	catio	n		Course Outline including Time Allocation Click here to enter text.						
	ck here to en		l l. l				<u> </u>						
A.	If not LEC/LA ☐ Practicum		песк рох	as ap	propriate [SE	e Definit	ions in App	enaix EJ:				
	☐ Independe												
R	College Code	•											
	Department			em.									
	Credit Hours												
	☐ Variable												
	\square Fixed												
E.	Minimum Cre	edit Hour	s: Click he	ere to	enter text								
F.	Maximum Cr	edit Hour	s: Click he	ere to	enter text	t.							
G.	Hours may be	e repeate	d for add	itiona	l credit:								
	\square No												
	☐ Yes – If ye	s, max tin	nes repea	ited: (Click here t	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter to	
Н.	Levels:	_											
	☐ Undergrad	duate											
	☐ Graduate	_											
	☐ Profession												
١.	Grade Metho	d:											

J.	Does the proposed course replace an equivalent course?									
	□ No									
	☐ Yes – If yes, enter equivalent course: Click here to enter text.									
	Course	Prefix, Number – Course Title								
K.	Term(s) Offered: Click here to enter text.									
L.	Max Section Enrollment:									
	Lecture: Click here to enter text.									
	Lab: Click here to enter text.									
To	o be completed by Academic Affairs Office: Standards 8	Measures Coding and General Education Code								
	$ ceil$ Basic Skill (BS), $ holdsymbol{\square}$ General Education, $ holdsymbol{\square}$ Occupationa	l Education, Gen Ed. Codes:	_							
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
0	FFICE OF THE REGISTRAR USE ONLY									
D	ate Rec'd: Date Completed:									
Ei	ntered: \(\subseteq SCACRSE. \(\subseteq SCADETL. \) \(\subseteq SCARRES. \(\subseteq SCAPRE \)	0								

PHAR 511 Course Information Form (formerly Form E and Form F)

	TION TO BE		niorm	atioi	1 FOITH	(1	orme	riy Fori	TI E ATI	u FOIIII	<i>F)</i>		
	.TION TO BE CREATE, □		V OR 🖾	DELE	TF								
	CREATE, L	IVIODIF	I, OK 🖂	DLLL	.1 L								
D	esired Term	Effective	Date (6-d	ligit c	ode): 2020	00	8						
	OTE: The first		=	_	=			ate month	in which to	erm begins	5.		
		_	ŕ							_			
II.CC	OURSE IDENT	TFICATIO	N: PHAR	511 P	harmacot	he	rapeutio	cs 1					
				Prefix	, Course Nu	ım	ber – Co	urse Title					
	deleting a co												
	r modificati	•					hanged.						
II (creating a co	ourse, con	npiete <u>aii</u>	reiev	ant fields	•							
		CURR	ENT						PROP	OSED			
Pref	fix Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar	
		Hours							Hours				
Titl	e: Click here	to enter	text				Title: (Click here	to enter t	text			
	edit Hours		quisites		Co-			it Hours	1	quisites		Co-	
			1	re	quisites					,	red	quisites	
												-	
	urse/Catalog	•	on <i>(125 w</i>	ords)			+	e/Catalog	•	on <i>(125 w</i>	ords)		
	k here to en						+	ere to ent					
-	urse Outcom		sessment	Plan			_	e Outcom		sessment	Plan		
	k here to en		Time o Alla	+:-				ere to en		Time a Alla	+:		
	urse Outline ck here to en		Time Alic	catio	11		Course Outline including Time Allocation Click here to enter text.						
L	f not LEC/LA		heck hox	as an	nronriate	[Se	<u> </u>						
	\square Practicum		neek box	азар	propriate	į	e Dejiiiie		renaix Ej.				
	□ Independ												
	College Code	•											
	Department			em.									
D. (Credit Hours	:											
	□ Variable												
	☐ Fixed												
E. 1	Minimum Cr	edit Hour	s: Click he	ere to	enter text								
F. I	Maximum Cr	edit Hour	s: Click he	ere to	enter tex	t.							
G. I	Hours may b	e repeate	d for add	itiona	l credit:								
	□ No												
I	☐ Yes – If ye	es, max tir	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	Click	here to enter	
	Levels:												
	☐ Undergra	duate											
	☐ Graduate												
	☐ Profession												
l. (Grade Metho	od:											

 \square Standard Letter Grading

J. Does the proposed course replace	an equivalent course?
□ No	
\square Yes – If yes, enter equivalent co	urse: Click here to enter text.
	Course Prefix, Number – Course Title
K. Term(s) Offered: Click here to enter	r text.
L. Max Section Enrollment:	
Lecture: Click here to enter text.	
Lab: Click here to enter text.	
To be completed by Academic Affairs Of	fice: Standards & Measures Coding and General Education Code
☐ Basic Skill (BS), ☐ General Education	, 🗆 Occupational Education, Gen Ed. Codes:
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR USE ONLY	
Date Rec'd: Date Complete	
Fntered · □ SCACRSE □ SCADETI □ SCA	RRES / SCAPREO

PHAR 512 Course Information Form (formerly Form E and Form F)

	1312 0				51111	"	0	.,,		<i></i>	• /		
I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☑ DELETE													
	☐ CREATE, ☐ MODIFY, OR ☒ DELETE												
Des	ired Term	Effective	Date (6-d	ligit c	ode): 202	00	8						
NOT	E: The first f	our digits i	ndicate ye	ear, th	e next two	dig	gits indic	ate month	in which to	erm begins	5.		
II.COU	RSE IDENT	IFICATION					-						
				Prefix,	Course Nu	ım	ber – Coı	ırse Title					
	leting a co												
	modification	•					nanged.						
If cre	eating a co	urse, com	iplete <u>all</u>	relev	ant fields	•							
							1						1
Prefix	Number	CURRI		Lab	Cominor		Prefix	Number	PROP		Lab	Cominor	
Prenx	Number	Contact Hours	Lecture	Lab	Seminar		Prenx	Number	Contact Hours	Lecture	Lab	Seminar	
Title:	Click here	to enter t	ext.	•	•		Title: (Click here	to enter t	text.			
Cred	lit Hours	Prereq	uisites		Co-		Credi	t Hours	Prerec	uisites		Co-	
				red	quisites						rec	quisites	
	se/Catalog		on <i>(125 w</i>	ords)			-	e/Catalog		on <i>(125 w</i>	ords)		
	here to ent							ere to ent			D.		
	e Outcom		sessment	Plan				Outcom		sessment	Plan		
	here to ent se Outline i		Time Allo	cation	<u> </u>			ere to ent e Outline i		Time Allo	cation	,	
	here to ent		Time And	catioi	1		1	ere to en		Time And	catioi	<u>'</u>	
	not LEC/LA		neck box	as apı	propriate	[Se	L						i.
	Practicum	, - , -					, -		,				
	Independe	ent Study											
	llege Code	•	an item.										
	partment (em.									
	edit Hours:												
	Variable												
	Fixed												
E. Mi	nimum Cre	edit Hours	: Click he	re to	enter text								
F. Ma	aximum Cr	edit Hours	s: Click he	ere to	enter tex	t.							
G. Ho	urs may be	e repeated	d for addi	itiona	l credit:								
	No												
	☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text.												
H. Le	l. Levels:												
	Undergrad	duate											
	Graduate												
	Profession	ıal											
l. Gr	ade Metho	d:											

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent course	?								
	□ No									
	☐ Yes – If yes, enter equivalent course: Click here to ent	er text.								
	Course Prefix,	Number – Course Title								
K.	Term(s) Offered: Click here to enter text.									
L.	Max Section Enrollment:									
	Lecture: Click here to enter text.									
	Lab: Click here to enter text.									
To	o be completed by Academic Affairs Office: Standards & Meas	ures Coding and General Education Code								
	🛾 Basic Skill (BS), 🗆 General Education, 🗆 Occupational Educa	tion, Gen Ed. Codes:								
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
	FFICE OF THE REGISTRAR USE ONLY									
	ate Rec'd: Date Completed:									
	m torod \cdot \square SCACDSE \square SCADETI \square SCADDES \square SCADDEO									

PHAR 513 Course Information Form (formerly Form E and Form F)

	CTION TO BE		morm	atioi	n FOITH	(IOIIIIE	riy Fori	TI E and	u FOIIII	<i>'' </i>		
	CREATE,		V OR 🖾	DELE	TF							
_	CREATE, L		I, UK 🖂	DELE	.16							
D	esired Term	Effective	Date (6-d	ligit c	ode): 2021	01						
	OTE: The first		-	•	-		ate month	in which to	erm begins	5.		
	,	, ,	,	,		J			3			
II.C	OURSE IDEN	ΓΙΓΙΟΑΤΙΟ	N: PHAR	513 P	harmacoth	erapeuti	cs 3					
				Prefix	, Course Nu	mber – Co	urse Title					
	deleting a co											
	or modificati	•				changed.	ı					
IT	creating a co	ourse, cor	npiete <u>aii</u>	reiev	ant fields.							
		CURF	RENT					PROP	OSED]
Pre	efix Number	Contact	Lecture	Lab	Seminar	Prefix	Number	Contact	Lecture	Lab	Seminar	
		Hours						Hours				
Tit	le: Click here	to enter	tevt	1		Title	L Click here	to enter t	evt			
	redit Hours	1	quisites		Co-	_	it Hours	1	uisites		Co-	
	requisites						requisites					
	urse/Catalog	•	on <i>(125 w</i>	ords)			e/Catalog		on <i>(125 w</i>	ords)		
_	ck here to er						nere to en					
-	urse Outcom		sessment	Plan			e Outcom		sessment	Plan		 -
-	ck here to er		Time Alla	catio	-		nere to en		Time Alle	cation		
	urse Outline ck here to er		Time Alic	catio	n	_	e Outline in ere to en		Time Allo	catior	1	
	If not LEC/LA		heck box	as an	propriate <i>[</i> .							1
	☐ Practicum			p	p. 0 p. 10 to [, c c				
	☐ Independ		,									
	College Code	•										
	Department			em.								
D.	Credit Hours	::										
	☐ Variable											
	\square Fixed											
E.	Minimum Cr	edit Hour	s: Click he	re to	enter text.							
F.	Maximum C	redit Hour	s: Click h	ere to	enter text							
G.	Hours may b	e repeate	d for add	itiona	l credit:							
	□ No											
	☐ Yes – If ye	es, max tir	nes repea	ited: (Click here t	o enter te	ext. OR ma	ax credits	awarded	: Click	here to e	nter text.
	Levels:											
	☐ Undergra											
	☐ Graduate											
	☐ Professio											
١.	Grade Meth	od:										

 \square Standard Letter Grading

J. Does the pro	oposed course replace an equivalent c	course?
□ No		
\square Yes – If ye	es, enter equivalent course: Click here	to enter text.
• ,	·	Prefix, Number – Course Title
K. Term(s) Offe	ered: Click here to enter text.	
L. Max Section	Enrollment:	
Lecture: Clic	k here to enter text.	
Lab: Click he	ere to enter text.	
To be completed	by Academic Affairs Office: Standards &	Measures Coding and General Education Code
☐ Basic Skill (BS	s), 🗆 General Education, 🗖 Occupationa	l Education, Gen Ed. Codes:
UCC Chair Signat	ture & Date:	Academic Affairs Approval Signature & Date:
OFFICE OF THE R	REGISTRAR USE ONLY	
Date Rec'd:	Date Completed:	
Fntered · □ SCAC	CRSE TSCADETI TSCARRES TSCAPRE	0

PHAR 514 Course Information Form (formerly Form E and Form F)

	TION TO BE		niorm	atioi	n FOITH	(1	orme	riy Fori	TI E ATI	u FOIIII	<i>''</i>			
	CREATE, □		V OR 🖾	DELE	TF									
ш	CREATE, L	INIODIF	I, OK 🖂	DLLL	.16									
D	esired Term	Effective	Date (6-d	ligit c	ode): 202	10	1							
	OTE: The first		=	_	=			ate month	in which to	erm begins	5.			
II.CO	URSE IDENT	TFICATIO					-							
				Prefix	, Course Νι	ım	ber – Co	urse Title						
	deleting a co			الم ماماء	م ما اللنيين غ م م	ا۔	لممسمط							
	r modification						nangea.							
" (reating a co	urse, con	iipiete <u>aii</u>	_i eiev	ant neius	•								
		CURR	ENT						PROP	OSED				
Pref	ix Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar		
		Hours							Hours					
Title	e: Click here	to enter	text.		1		Title: (Click here	to enter t	text.				
	edit Hours		quisites		Co-			it Hours	ı	uisites		Co-		
				re	quisites						red	quisites		
	ırse/Catalog	•	on <i>(125 w</i>	ords)			+	e/Catalog	•	on <i>(125 w</i>	ords)			
	k here to en			51			+	ere to ent			D.			
	irse Outcom		sessment	Plan			_	Course Outcomes and Assessment Plan Click here to enter text.						
-	k here to en Irse Outline		Time Allo	catio	n					Time Allo	cation	<u> </u>		
	k here to en		Time And	catio	· ·			Course Outline including Time Allocation Click here to enter text.						
	f not LEC/LA		heck box	as ap	propriate	[Se	<u> </u>							
	 □ Practicum					•	,		,					
[☐ Independ	ent Study												
	College Code	•												
C. [Department	Code: Cho	oose an it	em.										
D. (Credit Hours	:												
[□ Variable													
[☐ Fixed													
E. 1	Minimum Cr	edit Hour	s: Click he	ere to	enter text									
F. 1	Maximum Cr	edit Hour	s: Click he	ere to	enter tex	t.								
G. H	Hours may b	e repeate	d for add	itiona	l credit:									
[□ No													
[\square Yes – If ye	s, max tir	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter	r text.	
_	evels:													
	☐ Undergra	duate												
	☐ Graduate													
	☐ Profession													
I. (Grade Metho	od:												

 \square Standard Letter Grading

J. Does the proposed cours	se replace an equivalent o	course?
\square No		
\square Yes – If yes, enter equ	ivalent course: Click here	to enter text.
	Course	Prefix, Number – Course Title
K. Term(s) Offered: Click he	ere to enter text.	
L. Max Section Enrollment:		
Lecture: Click here to en	ter text.	
Lab: Click here to enter t	ext.	
To be completed by Academic	: Affairs Office: Standards 8	& Measures Coding and General Education Code
☐ Basic Skill (BS), ☐ General	Education, \square Occupationa	al Education, Gen Ed. Codes:
UCC Chair Signature & Date:		Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR US	_	
Date Rec'd: Date	:e Completed:	<u></u>
Entered TSCACRSE TSCAD	FTI TSCARRES TSCAPRE	50

PHAR 525 Course Information Form (formerly Form E and Form F)

	TION TO BE		niorm	atioi	n FOITH	(1	orme	riy Fori	TI E and	u FOIII	<i>F)</i>		
	CREATE, □		V OR 🖾	DELE	TF								
ч	CREATE, L	INIODIF	I, OK 🖂	DLLL	.16								
D	esired Term	Effective	Date (6-d	digit c	ode): 202:	10	1						
	OTE: The first		=	_	=			ate month	in which to	erm begins	i.		
			ŕ							_			
II.CC	URSE IDENT	TFICATIO	N: PHAR	525 P	harmacy F	ra	ctice M	ngmt 2					
				Prefix	, Course Νι	ım	ber – Co	urse Title					
	deleting a co												
	r modificati						hanged.						
II (creating a co	ourse, con	npiete <u>aii</u>	_reiev	ant fields	•							
		CURR	ENT						PROP	OSED			
Pref	fix Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar	
		Hours							Hours				
Titl	e: Click here	to enter	text				Title: (L Click here	to enter t	text			
	edit Hours		quisites		Co-			it Hours	ı	quisites		Co-	
			1	re	quisites					,	red	quisites	
	urse/Catalog	•	on <i>(125 w</i>	ords)			+	e/Catalog	•	on <i>(125 w</i>	ords)		
	k here to en						+	nere to en					
	urse Outcom		sessment	Plan			_	e Outcom		sessment	Plan		
	k here to en		Time o Alla					nere to en		Time a Alla	+:		
	urse Outline k here to en		Time Alic	catio	n .		Course Outline including Time Allocation Click here to enter text.						
L	f not LEC/LA		heck hox	as an	nronriate	[Se	<u> </u>						
	□ Practicum		neek box	us up	propriate	į	e Dejiiiie		renaix Ej.				
	□ Independ												
	College Code	•											
	Department			em.									
D. (Credit Hours	:											
	☐ Variable												
	☐ Fixed												
E. 1	Minimum Cr	edit Hour	s: Click he	ere to	enter text								
F. I	Maximum Cr	edit Hour	s: Click he	ere to	enter tex	t.							
G. I	Hours may b	e repeate	d for add	itiona	l credit:								
	□ No												
I	☐ Yes – If ye	s, max tir	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	Click	here to enter	r text.
	_evels: 												
	Undergra	duate											
	☐ Graduate												
	☐ Profession												
l. (Grade Metho	od:											

 \square Standard Letter Grading

J. Does the proposed cours	se replace an equivalent o	course?
\square No		
\square Yes – If yes, enter equ	ivalent course: Click here	to enter text.
	Course	Prefix, Number – Course Title
K. Term(s) Offered: Click he	ere to enter text.	
L. Max Section Enrollment:		
Lecture: Click here to en	ter text.	
Lab: Click here to enter t	ext.	
To be completed by Academic	: Affairs Office: Standards 8	& Measures Coding and General Education Code
☐ Basic Skill (BS), ☐ General	Education, \square Occupationa	al Education, Gen Ed. Codes:
UCC Chair Signature & Date:		Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR US	_	
Date Rec'd: Date	:e Completed:	<u></u>
Entered TSCACRSE TSCAD	FTI TSCARRES TSCAPRE	50

PHAR 530 Course Information Form (formerly Form E and Form F)

CREATE,
II.COURSE IDENTIFICATION: PHAR 530 Pharmacy Law Course Prefix, Course Number – Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. CURRENT Prefix Number Contact Lecture Lab Seminar Hours Hours Title: Click here to enter text. Credit Hours Prerequisites Corequisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text.
II.COURSE IDENTIFICATION: PHAR 530 Pharmacy Law Course Prefix, Course Number – Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. CURRENT Prefix Number Contact Lecture Lab Seminar Hours Title: Click here to enter text. Credit Hours Prerequisites Corequisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text.
II.COURSE IDENTIFICATION: PHAR 530 Pharmacy Law Course Prefix, Course Number – Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. CURRENT Prefix Number Contact Lecture Lab Seminar Prefix Number Contact Lecture Lab Seminar Hours Title: Click here to enter text. Credit Hours Prerequisites Co- requisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text.
If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all_relevant fields. CURRENT Prefix Number Contact Lecture Lab Seminar Prefix Number Contact Hours Prefix Number Contact Lecture Lab Seminar Hours Contact Hours Prefix Number Contact Lecture Lab Seminar Hours Prefix Number Contact Lecture Lab Seminar Hours Contact Hours Prefix Number Contact Lecture Lab Seminar Hours Contact Lecture Lab Seminar Hou
If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all_relevant fields. CURRENT Prefix Number Contact Lecture Lab Seminar Prefix Number Contact Hours Prefix Number Contact Lecture Lab Seminar Hours Contact Hours Prefix Number Contact Lecture Lab Seminar Hours Prefix Number Contact Lecture Lab Seminar Hours Contact Hours Prefix Number Contact Lecture Lab Seminar Hours Contact Lecture Lab Seminar Hou
If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. CURRENT Prefix Number Contact Lecture Lab Seminar Hours Title: Click here to enter text. Credit Hours Prerequisites Corequisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Click here to enter text. Course Outline including Time Allocation Click here to enter text.
For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. CURRENT
CURRENT PROPOSED
Prefix Number Contact Lecture Lab Seminar Prefix Number Contact Lecture Lab Seminar Hours Title: Click here to enter text. Credit Hours Prerequisites Corequisites Corequisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
Prefix Number Contact Lecture Lab Seminar Prefix Number Contact Lecture Lab Seminar Hours Title: Click here to enter text. Credit Hours Prerequisites Corequisites Corequisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
Title: Click here to enter text. Credit Hours Prerequisites Correquisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text.
Title: Click here to enter text. Credit Hours Prerequisites Corequisites Corequisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
Credit Hours Prerequisites Corequisites Corequisites Corequisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text.
Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
Click here to enter text. Course Outline including Time Allocation Click here to enter text.
Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
Click here to enter text. Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
☐ Practicum
☐ Independent Study
B. College Code: Choose an item.
C. Department Code: Choose an item.
D. Credit Hours:
☐ Variable
☐ Fixed
E. Minimum Credit Hours: Click here to enter text.
F. Maximum Credit Hours: Click here to enter text.
G. Hours may be repeated for additional credit:
□ No
☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text.
H. Levels:
☐ Undergraduate
☐ Graduate
☐ Professional I. Grade Method:
i. Grade wethou.

J.	Does the proposed course replace an equivalent course												
	□ No												
	☐ Yes – If yes, enter equivalent course: Click here to ent	here to enter text.											
	Course Prefix, Number – Course Title												
K.	Term(s) Offered: Click here to enter text.												
L.	Max Section Enrollment:												
	Lecture: Click here to enter text.												
	Lab: Click here to enter text.												
To	To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code												
	🛾 Basic Skill (BS), 🗆 General Education, 🗆 Occupational Educa	tion, Gen Ed. Codes:											
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:											
	FFICE OF THE REGISTRAR USE ONLY												
	ate Rec'd: Date Completed:												
	n torod. \square SCACDSE \square SCADETI \square SCADDES \square SCADDEO												

	AR 535 C		ntorma	atio	n Form	(1	torme	rly Fori	m E and	d Form	<i>F)</i>		
	CTION TO BE $^{\circ}$		/. OR ⊠	DELE	TE								
C	Desired Term	Effective	Date (6-c	ligit c	ode): 2020			ate month	in which to	erm begins	5.		
lf Fo	OURSE IDENT deleting a co or modification creating a co	urse STO on, compl	Course P HERE. ete all fie	Prefix elds tl	, Course Nu	ım cl	ber – Co	urse Title					
		CURR	FNT					PROPOSED					
Pre	efix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
	le: Click here	1		1				Click here			1		
C	redit Hours	dit Hours Prerequisites Co- requisites				Cred	it Hours	Prerec	luisites	red	Co- quisites		
<u></u>	urse/Catalog	Doccripti	on /125 w	ords)			Cours	o/Catalog	Doccrinti	on /125 w	ords)		
-	ck here to ent	•	011 (125 W	orus)			Course/Catalog Description (125 words) Click here to enter text.						
	urse Outcom		sessment	Plan			Course Outcomes and Assessment Plan						
	ck here to ent		30331110110	, i iaii			Click here to enter text.						
	urse Outline i		Time Allo	catio	 n		Course Outline including Time Allocation						
	ck here to ent				· ·		Click here to enter text.						
Α.	If not LEC/LA	B/SEM, C	heck box	as ap	propriate [Se	e Definit	ions in App	pendix E]:				
	☐ Practicum												
	☐ Independe	ent Study											
В.	College Code	Choose	an item.										
C.	Department (Code: Cho	ose an it	em.									
D.	Credit Hours:												
	\square Variable												
	\square Fixed												
E.	Minimum Cre	edit Hours	s: Click he	ere to	enter text								
F.	Maximum Cr	edit Hour	s: Click he	ere to	enter text	t.							
G.	Hours may be	e repeate	d for add	itiona	l credit:								
	\square No												
	☐ Yes – If ye	s, max tin	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter te	
Н.	Levels:		-										
	☐ Undergrad	duate											
	☐ Graduate												
	☐ Profession	ıal											
I.	Grade Metho	d:											

J. Does the proposed course replace an equivalent course?										
□ No										
☐ Yes – If yes, enter equivalent course: Click here to enter text.										
	Course Prefix, Number – Course Title									
K. Term(s) Offered: Click here to enter	r text.									
L. Max Section Enrollment:										
Lecture: Click here to enter text.										
Lab: Click here to enter text.										
To be completed by Academic Affairs Of	fice: Standards & Measures Coding and General Education Code									
☐ Basic Skill (BS), ☐ General Education	, 🗆 Occupational Education, Gen Ed. Codes:									
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:									
OFFICE OF THE REGISTRAR USE ONLY										
Date Rec'd: Date Complete										
Fntered · □ SCACRSE □ SCADETI □ SCA	RRES / SCAPREO									

PHAR 540 Course Information Form (formerly Form E and Form F)

	TION TO BE		morm	atioi	n FOITH	(1	orme	riy Fori	TI E ATI	u FOIIII	<i>F)</i>		
_	CREATE,		Y. OR ⊠	DELE	TE								
	• • • • • • • • • • • • • • • • • • •		.,										
D	esired Term	Effective	Date (6-d	digit c	ode): 2020	00	8						
N	OTE: The first j	four digits	indicate y	ear, th	e next two	di	gits indic	ate month	in which to	erm begins	5.		
	NIDGE IDENT	UEICATIO	AL DUAD	- 40 D		. 1:	. 1:4 5						
II.CC	OURSE IDENT	IFICATIO			rug inτο/ C , Course Νι								
If (deleting a co	ourse STO		FIEJIA	, course ive	,,,,	Dei – Coi	urse ritte					
	r modification			elds th	nat will be	cl	hanged.						
	creating a co						J						
	CURRENT							1	PROP	OSED	1		
Pref	fix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
		110013							110013				
Titl	itle: Click here to enter text.						Title:	Click here	to enter t	text.	I		
Cr	Credit Hours Prerequisites			Co-		Cred	Credit Hours		Prerequisites		Co-		
				re	quisites						red	quisites	
C	/C-+-	Danasisati	(425	, ,			C	- /C-+-	Danasisati	(425			
	urse/Catalog	•	on (125 w	oras)			Course/Catalog Description (125 words) Click here to enter text.						
-	urse Outcom		ceccment	· Plan			Course Outcomes and Assessment Plan						
-	k here to en		30331110110	. 1 1411			Click here to enter text.						
-	urse Outline		Time Allo	catio	n		Course Outline including Time Allocation						
	k here to en						Click here to enter text.						
A. I	f not LEC/LA	B/SEM, C	heck box	as ap	propriate	[Se	ee Definitions in Appendix E]:						
	\square Practicum	1											
I	\square Independ	ent Study											
	College Code												
	Department		oose an it	em.									
	Credit Hours	:											
	□ Variable												
	☐ Fixed	11											
	Minimum Cro Maximum Cr												
	Maximum Cr Hours may b					l.							
	□ No	e repeate	u ioi auu	itiona	i credit.								
		s may tir	mes renes	ted: (flick here	to	enter to	evt OR ma	av cradits	awarded	· Click	here to enter	
	Levels:	s, max m	пезтерес	iccu. (CHEK HETE	ıo	CITICI II	JAC. OK III	ax creates	awaraca	. CIICK	nere to enter	
	□ Undergra	duate											
	□ Graduate												
	☐ Professior	nal											
	Grade Metho												

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent course? ☐ No										
	☐ Yes – If yes, enter equivalent course: Click here to enter text.										
Course Prefix, Number – Course Title											
K.	Term(s) Offered: Click here to enter text.										
L.	Max Section Enrollment:										
	Lecture: Click here to enter text.										
	Lab: Click here to enter text.										
	be completed by Academic Affairs Office: Standards & Meas \Box Basic Skill (BS), \Box General Education, \Box Occupational Educa		_								
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:									
	FFICE OF THE REGISTRAR USE ONLY										
	ate Rec'd: Date Completed:										
Fi	n tered: \square SCACRSE \square SCADETI \square SCARRES \square SCAPREO										

	CTION TO BE		ntorm	atioi	n Form	()	rorme	riy Fori	m E and	a Form	<i>F)</i>		
	CHON TO BE CREATE, □		Y, OR ⊠	DELE	TE								
	Desired Term IOTE: The first j		-	_	-			ate month	in which to	erm beains	5.		
	07277776	, our argres	marcate y	<i> </i>	e next two	u.,	gres mare	ace monen	m winen c	onn begins	,,		
II.C	OURSE IDENT	TFICATIO						Till -					
If	deleting a co	ourse STO		Prefix	, Course Nu	ım	per – Co	urse litie					
	or modification			elds tl	hat will be	cl	hanged.						
If	creating a co	urse, con	nplete <u>all</u>	relev	ant fields.								
		CURR					ı		2200	2050			
Dra	CURRENT Prefix Number Contact Lecture Lab Semina				Seminar		Prefix	Number	PROP(Contact	Lecture	Lab	Seminar	
- 110	. IVallibel	Hours	Lecture	Lab	Sciiiilai		TTCTIX	Number	Hours	Lecture	Lab	Schillar	
		: Click here to enter text.				Click here			Τ				
C	redit Hours	Prerec	quisites	ro	Co- quisites		Cred	it Hours	Prerec	luisites	roo	Co- quisites	
				16	quisites						160	disites	
Со	urse/Catalog	Descripti	on <i>(125 w</i>	ords)			Cours	e/Catalog	Descripti	on <i>(125 w</i>	ords)		
	ck here to en	•	•				Click here to enter text.						
Со	urse Outcom	es and As	sessment	Plan			Course Outcomes and Assessment Plan						
	ck here to en						Click here to enter text.						
	urse Outline		Time Allo	catio	n		Course Outline including Time Allocation						
	ck here to en		hack hav	26.20	nronriato	[Ca	Click here to enter text. See Definitions in Appendix E]:						
A.	☐ Practicum		HECK DOX	as ap	propriate [36	е рејши	.ιοπς πι Αμμ	ienuix Ej.				
	☐ Independe												
B.	College Code	•											
	Department			em.									
	Credit Hours												
	☐ Variable												
	\square Fixed												
E.	Minimum Cro	edit Hour	s: Click he	ere to	enter text								
F.	Maximum Cr	edit Hour	s: Click h	ere to	enter text	t.							
G.	Hours may be	e repeate	d for add	itiona	l credit:								
	□ No												
		s, max tin	nes repea	ited: (Click here t	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter te	
Н.	Levels:												
	☐ Undergrad	duate											
	☐ Graduate												
	☐ Profession												
١.	Grade Metho	วน:											

J. Does the proposed course replace an equivalent course?										
	□ No									
	☐ Yes – If yes, enter equivalent course: Click here to	enter text.								
	Course Pre	efix, Number – Course Title								
K.	Term(s) Offered: Click here to enter text.									
L.	Max Section Enrollment:									
	Lecture: Click here to enter text.									
	Lab: Click here to enter text.									
To	o be completed by Academic Affairs Office: Standards & M	leasures Coding and General Education Code								
	$oxed{f Basic Skill (BS), } oxed{oxed}$ General Education, $oxed{oxed}$ Occupational Ed	ducation, Gen Ed. Codes:								
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
_	FFICE OF THE REGISTRAR USE ONLY									
	ate Rec'd: Date Completed:	<u> </u>								
I	atorod, \square CCACDCE \square CCADETI \square CCADDEC \square CCADDEO									

	IAR 589 C		ntorma	atio	n Form	(i	torme	rly Fori	m E and	d Form	<i>F)</i>			
	CTION TO BE \Box		y. OR ⊠	DELE	TE									
	Desired Term					ın	1							
	IOTE: The first f		-	•	-			ate month	in which to	erm begins	5.			
						_								
II.C	OURSE IDENT	IFICATIO			ntegrated (., Course Nu									
If	deleting a co	urse STO		riejix	, course iva	''''	Dei – Coi	arse ritte						
	or modification			elds tl	hat will be	cl	hanged.							
If	creating a co	urse, con	nplete <u>all</u>	relev	ant fields.									
		CLIDD	FAIT				T							
Pre	CURRENT refix Number Contact Lecture Lab Sem				Seminar	ninar	Prefix	Number	PROP(Lecture	Lab	Seminar		
		Hours							Hours					
	le: Click here				Co-			Click here it Hours			1	Co-		
	Credit Hours Prerequisites re		quisites		Creu	it Hours	Prefec	Prerequisites		quisites				
					90.0.00							10.0.00		
Со	urse/Catalog	Description	on <i>(125 w</i>	ords)			Course/Catalog Description (125 words)							
Cli	ck here to en	ter text.					Click here to enter text.							
	urse Outcom		sessment	: Plan			Course Outcomes and Assessment Plan							
	ck here to en		Time a Alla	+:-			Click here to enter text.							
	urse Outline i ck here to en		rime Alic	catio	n		Course Outline including Time Allocation Click here to enter text.							
			heck box	as ap	propriate /	Se	See Definitions in Appendix E]:							
	☐ Practicum				, - , ·		,		,					
	☐ Independe	ent Study												
В.	College Code	: Choose	an item.											
C.	Department	Code: Cho	oose an it	em.										
D.	Credit Hours:													
	☐ Variable													
_	☐ Fixed	10												
	Minimum Cre Maximum Cre													
	Hours may be													
О.	□ No	repeate	a ioi aaa	icionia	ii cicait.									
	☐ Yes – If ye	s. max tin	nes repea	ited: (Click here 1	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to ente	er text.	
Н.	Levels:	o,a u												
	☐ Undergrad	duate												
	☐ Graduate													
	☐ Profession	nal												
l.	Grade Metho	d:												

Page 224

Form EF
Effective Fall 2016

J. Does the proposed course replace an equivalent course?										
□ No										
\square Yes – If ye.	☐ Yes — If yes, enter equivalent course: Click here to enter text.									
	•	Prefix, Number – Course Title								
K. Term(s) Offer	red: Click here to enter text.									
L. Max Section	Enrollment:									
Lecture: Click	here to enter text.									
Lab: Click her	re to enter text.									
To be completed	by Academic Affairs Office: Standards &	Measures Coding and General Education Code								
☐ Basic Skill (BS)	, \square General Education, \square Occupationa	l Education, Gen Ed. Codes:								
UCC Chair Signati	ure & Date:	Academic Affairs Approval Signature & Date:								
OFFICE OF THE RE	EGISTRAR USE ONLY									
Date Rec'd:	Date Completed:									
Entered: ☐SCAC	RSF	0								

	CTION TO BE		ntorm	atioi	n Form	(7	rorme	riy Fori	m E and	a Form	<i>F)</i>			
	\Box CREATE, \Box		Y, OR ⊠	DELE	TE									
							•							
	Desired Term IOTE: The first j		=	_	=			ate month	in which te	erm begins	5.			
										_				
II.C	OURSE IDENT	IFICATIO			ongitud Pt , Course Nu									
If	deleting a co	urse STO		r rejix	, course wa		<i>DC1</i> CO1	arse mere						
	or modification						nanged.							
lf	creating a co	urse, con	nplete <u>all</u>	relev	ant fields.									
		CURR	ENT					PROPOSED						
Pre	efix Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar		
		Hours							Hours					
Tit	le: Click here	to enter t	text.				Title:	Click here	to enter t	ext.				
С	redit Hours	Prerec	quisites	Co-			Cred	it Hours	Prerequisites			Co-		
				re	quisites						red	quisites		
<u> </u>	urco/Catalog	Doccrinti	op /135 w	ords)			Cours	o/Catalog	Doscripti	on /125	ords)			
	urse/Catalog ck here to en	•	OH (125 W	oras)			Course/Catalog Description (125 words) Click here to enter text.							
	urse Outcom		sessment	· Plan			Course Outcomes and Assessment Plan							
	ck here to en						Click here to enter text.							
Со	urse Outline	including	Time Allo	catio	n		Course Outline including Time Allocation							
	ck here to en						Click here to enter text.							
A.	If not LEC/LA		heck box	as ap	propriate <i>[</i>	Se	e Definit	ions in App	endix E]:					
	☐ Practicum													
_	☐ Independe	•												
	College Code													
	Department Credit Hours		ose an it	em.										
υ.	☐ Variable	•												
	☐ Fixed													
E.	Minimum Cre	edit Hour	s: Click he	re to	enter text									
	Maximum Cr													
G.	Hours may be	e repeate	d for add	itiona	l credit:									
	□ No	-												
	☐ Yes – If ye	s, max tin	nes repea	ited: (Click here t	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter te		
Н.	Levels:													
	☐ Undergrad	duate												
	\square Graduate													
	\square Profession	nal												
I.	Grade Metho	od:												

J.	Does the proposed course replace an equivalent of	ourse?										
	□ No											
	☐ Yes – If yes, enter equivalent course: Click here to enter text.											
	Course	Prefix, Number – Course Title										
K.	Term(s) Offered: Click here to enter text.											
L.	Max Section Enrollment:											
	Lecture: Click here to enter text.											
	Lab: Click here to enter text.											
To	To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code											
	$ ceil$ Basic Skill (BS), $ holdsymbol{\square}$ General Education, $ holdsymbol{\square}$ Occupationa	l Education, Gen Ed. Codes:	_									
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:										
0	FFICE OF THE REGISTRAR USE ONLY											
D	ate Rec'd: Date Completed:											
Ei	ntered: \(\subseteq SCACRSE. \(\subseteq SCADETL. \) \(\subseteq SCARRES. \(\subseteq SCAPRE \)	0										

	AR 600 Co		ntorma	atio	n Form	(1	forme	rly Fori	m E and	d Form	<i>F)</i>		
	CHON TO BE \Box		/. OR ⊠	DELE	TE								
C	Desired Term IOTE: The first f	Effective	Date (6-c	ligit c	ode): 2022			ate month	in which to	erm begins	5.		
lf Fo	OURSE IDENT deleting a co or modification creating a co	urse STO on, compl	Course P HERE. ete all fie	Prefix elds tl	, Course Nu	ım cl	ber – Col	urse Title					
		CURR	ENT						PROPO	DSED			
Pre	efix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
Ti+	lo: Click horo	to ontor t	ovt				Title: (Click here	to ontor i	ovt			
	itle: Click here to enter text. Credit Hours Prerequisites Co- requisites							it Hours	1	uisites	red	Co- quisites	
Co	urse/Catalog	Description	on <i>(125 w</i>	ords)			Course	e/Catalog	Descripti	on <i>(125 w</i>	ords)		
	ck here to en	•	011 (123 17	o. us,			Course/Catalog Description (125 words) Click here to enter text.						
	urse Outcom		sessment	Plan				e Outcom		sessment	Plan		
Cli	ck here to en	ter text.					Click here to enter text.						
Со	urse Outline i	including	Time Allo	catio	n		Course Outline including Time Allocation						
Cli	ck here to en	ter text.					Click here to enter text.						
A.	If not LEC/LA		heck box	as ap	propriate [Se	e Definit	ions in App	pendix E]:				
	☐ Practicum												
	☐ Independe	•											
	College Code												
	Department		oose an it	em.									
D.	Credit Hours:												
	☐ Variable												
_	☐ Fixed	. du i i .											
	Minimum Cre Maximum Cre												
	Hours may be												
G.	□ No	repeate	a ioi ada	itiona	i ci cait.								
		s may tin	nes renes	ted: (Tlick here t	t o	enter to	evt OR ma	av cradits	awarded	· Click	here to enter t	evt
н	Levels:	s, max um	iles repea	iteu. (CHCK HETE I	LU	enter te	on in	ax credits	awarueu	. CIICK	nere to enter t	.CAL.
	☐ Undergrad	duate											
	☐ Graduate												
	☐ Profession	nal											
l.	Grade Metho												

J.	Does the proposed course replace an equivalent course	se?									
	□ No										
	☐ Yes – If yes, enter equivalent course: Click here to e	nter text.									
	Course Prefi	ix, Number – Course Title									
K.	Term(s) Offered: Click here to enter text.										
L.	Max Section Enrollment:										
	Lecture: Click here to enter text.										
	Lab: Click here to enter text.										
To	be completed by Academic Affairs Office: Standards & Me	asures Coding and General Education Code									
	Basic Skill (BS), \square General Education, \square Occupational Edu	ucation, Gen Ed. Codes:									
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:									
_	FFICE OF THE REGISTRAR USE ONLY										
	ate Rec'd: Date Completed:	_									
l Fn	$ntered \cdot extstyle SCACRSE \ extstyle TSCADETI \ extstyle TSCARRES \ extstyle TSCADEFO$										

	AR 601 C		ntorma	atioi	n Form	()	rorme	riy Fori	m E and	a Form	<i>F)</i>	
	CREATE,		Y, OR ⊠	DELE	TE							
						•	4					
	Desired Term OTE: The first j		-	_	-			ate month	in which te	erm begins	5.	
II.C	OURSE IDENT	IFICATIO			i ternai ivie , Course Nu			urse Title				
If	deleting a co	urse STO			,							
	or modification	-					hanged.					
It	creating a co	urse, con	nplete <u>all</u>	_relev	ant fields.							
		CURR	ENT						PROPO	OSED		
Pre	efix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar
_	le: Click here							Click here	1		1	
C	redit Hours	Prerec	quisites		Co-		Cred	it Hours	Prerec	uisites		Co-
	requisites										rec	quisites
Со	urse/Catalog	Descripti	on <i>(125 w</i>	ords)		Cours	e/Catalog	Descripti	on <i>(125 w</i>	ords)		
Cli	ck here to en	ter text.	·				Click h	nere to en	ter text.			
Со	urse Outcom	es and As	sessment	Plan			Cours	e Outcom	es and As	sessment	Plan	
	ck here to en						+	nere to en				
-	urse Outline		Time Allo	catio	n		Course Outline including Time Allocation					
	ck here to en					_	Click here to enter text. See Definitions in Appendix E]:					
A.	☐ Practicum		песк рох	as ap	propriate [Se	e Definit	tions in App	endix EJ:			
	☐ Independe											
R	College Code	•										
	Department			em								
	Credit Hours		3030 411 10	CIII.								
	☐ Variable											
	☐ Fixed											
E.	Minimum Cre	edit Hours	s: Click he	ere to	enter text							
F.	Maximum Cr	edit Hour	s: Click he	ere to	enter text	t.						
G.	Hours may be	e repeate	d for add	itiona	l credit:							
	\square No											
	☐ Yes – If ye	s, max tin	nes repea	ited: (Click here t	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter to
Н.	Levels:											
	☐ Undergrad	duate										
	\square Graduate											
	☐ Profession	nal										
I.	Grade Metho	od:										

J. Does the proposed course replace	an equivalent course?										
□ No											
\square Yes – If yes, enter equivalent co	urse: Click here to enter text.										
	Course Prefix, Number – Course Title										
K. Term(s) Offered: Click here to enter	r text.										
L. Max Section Enrollment:	Max Section Enrollment:										
Lecture: Click here to enter text.											
Lab: Click here to enter text.											
To be completed by Academic Affairs Of	fice: Standards & Measures Coding and General Education Code										
☐ Basic Skill (BS), ☐ General Education	, 🗆 Occupational Education, Gen Ed. Codes:										
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:										
OFFICE OF THE REGISTRAR USE ONLY											
Date Rec'd: Date Complete											
Fntered · □ SCACRSE □ SCADETI □ SCA	RRES / SCAPREO										

	CTION TO BE		ntorm	atioi	n Form	(1	orme	riy Fori	m E and	a Form	<i>F)</i>		
	\Box CREATE, \Box		Y. OR ⊠	DELE	TE								
	Desired Term IOTE: The first f		-	_	-			ate month	in which to	erm heains	3		
	1012. The jii se j	our argits	marcate y	car, cri	e next two	urg	jits maic	ace monen	m wmen ee	im begins	,.		
II.C	OURSE IDENT	IFICATIO			-								
If	deleting a co	urse STO		Prefix	, Course Nu	m	ber – Col	urse litle					
	or modification			elds tl	nat will be	ch	nanged.						
	creating a co	•					Ū						
							1						
Dr	efix Number	CURR	ENT Lecture	Lab	Seminar		Prefix	Number	PROP(Contact	DSED Lecture	Lab	Seminar	
	Number	Hours	Lecture	Lab	Seminar		FICIA	Number	Hours	Lecture	Lab	Sellilliai	
_	le: Click here			ı				Click here	1		1		
	redit Hours	Prerec	quisites	ro	Co- quisites		Cred	it Hours	Prerec	uisites	roo	Co- quisites	
				16	quisites						160	quisites	
Сс	urse/Catalog	Descripti	on <i>(125 w</i>	ords)		Course	e/Catalog	Descripti	on <i>(125 w</i>	ords)			
Cli	ck here to en	ter text.					Click here to enter text.						
	urse Outcom		sessment	Plan				e Outcom		sessment	Plan		
	ck here to en						Click here to enter text.						
	urse Outline i		Time Allo	catio	n		Course Outline including Time Allocation						
	ck here to en		heck hov	as an	nronriate /	م	Click here to enter text. See Definitions in Appendix E]:						
Λ.	☐ Practicum		TICCK DOX	as ap	propriate į	JC	c Dejiiii	.ιοτις ττι Αρρ	ichaix Lj.				
	☐ Independe												
В.	College Code	•											
C.	Department			em.									
D.	Credit Hours:												
	\square Variable												
	\square Fixed												
E.	Minimum Cre	edit Hours	s: Click he	ere to	enter text								
F.	Maximum Cr	edit Hour	s: Click h	ere to	enter text								
G.	Hours may be	e repeate	d for add	itiona	l credit:								
	□ No												
	· ·	s, max tin	nes repea	ited: (Click here t	0	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter to	
Н.	Levels:	duato											
	☐ Undergrad	iuate											
	☐ Graduate ☐ Profession	val.											
I.	Grade Metho												

J. Does the proposed course replace	an equivalent course?										
□ No											
\square Yes – If yes, enter equivalent co	urse: Click here to enter text.										
	Course Prefix, Number – Course Title										
K. Term(s) Offered: Click here to enter	r text.										
L. Max Section Enrollment:	Max Section Enrollment:										
Lecture: Click here to enter text.											
Lab: Click here to enter text.											
To be completed by Academic Affairs Of	fice: Standards & Measures Coding and General Education Code										
☐ Basic Skill (BS), ☐ General Education	, 🗆 Occupational Education, Gen Ed. Codes:										
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:										
OFFICE OF THE REGISTRAR USE ONLY											
Date Rec'd: Date Complete											
Fntered · □ SCACRSE □ SCADETI □ SCA	RRES / SCAPREO										

	CTION TO BE		ntorma	atioi	n Form	()	rorme	riy Fori	m E and	a Form	<i>F)</i>		
	CHON TO BE CREATE, □		Y, OR ⊠	DELE	TE								
	Desired Term					20	1						
	OTE: The first j		-	_	-			ate month	in which to	erm begins	ŝ.		
וו כו	OURSE IDENT	TEICATIO	Ν. ΡΗΔΕ (603 A	mhulatory	, c	`are 2 Δl	DDF					
11.0	DONSE IDEIVI	II ICATIO			, Course Nu								
	deleting a co												
	or modification or creating a co	-					nanged.						
	creating a co	idise, con	iipiete <u>aii</u>	_i cicv	ant neius.								
		CURR	ENT						PROPO	OSED			
Pre	efix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
_	le: Click here			ı				Click here	1		ı		
	redit Hours	Prerec	quisites	ro	Co- quisites		Cred	it Hours	Prerec	uisites	roc	Co- quisites	
				16	quisites						160	uisites	
Со	urse/Catalog	Descripti	on <i>(125 w</i>	ords)			Course	e/Catalog	Description	on <i>(125 w</i>	ords)		
Cli	ck here to en	ter text.					Click h	nere to en	ter text.				
	urse Outcom		sessment	Plan			+	e Outcom		sessment	Plan		
	ck here to en						+	nere to en					
-	urse Outline		Time Allo	catio	n		Course Outline including Time Allocation						
	ck here to en		hack hav	26.20	nronriato	[Ca	Click here to enter text. See Definitions in Appendix E]:						
A.	☐ Practicum		HECK DOX	as ap	propriate [36	е рејин	.ιοτις ττι Αρμ	enaix Ej:				
	☐ Independe												
B.	College Code	•											
	Department			em.									
	Credit Hours												
	☐ Variable												
	\square Fixed												
E.	Minimum Cre	edit Hour	s: Click he	ere to	enter text								
F.	Maximum Cr	edit Hour	s: Click he	ere to	enter text	t.							
G.	Hours may be	e repeate	d for add	itiona	l credit:								
	□ No												
	\square Yes – If ye	s, max tin	nes repea	ited: (Click here t	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter to	
Н.	Levels:												
	☐ Undergrad	duate											
	☐ Graduate												
	☐ Profession												
Ι.	Grade Metho	od:											

J.	Does the proposed course replace an equivalent of	ourse?									
	□ No										
	\square Yes – If yes, enter equivalent course: Click here to enter text.										
	Course	Prefix, Number – Course Title									
K.	Term(s) Offered: Click here to enter text.										
L.	Max Section Enrollment:										
	Lecture: Click here to enter text.										
	Lab: Click here to enter text.										
To	o be completed by Academic Affairs Office: Standards 8	Measures Coding and General Education Code									
	$ ceil$ Basic Skill (BS), $ holdsymbol{\square}$ General Education, $ holdsymbol{\square}$ Occupationa	l Education, Gen Ed. Codes:	_								
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:									
0	FFICE OF THE REGISTRAR USE ONLY										
D	ate Rec'd: Date Completed:										
Ei	ntered: \(\subseteq SCACRSE. \(\subseteq SCADETL. \) \(\subseteq SCARRES. \(\subseteq SCAPRE \)	0									

PHAR 610 Course Information Form (formerly Form E and Form F)

	TION TO BE		niorm	atioi	1 FOITH	(1	orme	riy Fori	TI E ATI	u FOIIII	<i>F)</i>		
	CREATE, □		V OR 🏻	DELE	TF								
	CILATE, L	WODII	1, OK 🖂	DLLL									
D	esired Term	Effective	Date (6-d	ligit c	ode): 202	20	1						
N	OTE: The first	four digits	indicate y	ear, th	e next two	di	gits indic	ate month	in which to	erm begins	;.		
II.CC	OURSE IDENT	TFICATIO											
14	dalatina a ca	urco STO		Prefix	, Course Nu	ım	ber – Coi	urse Title					
	deleting a co or modification			alde +k	aat will he	اء د	hangad						
	creating a co						nangeu.						
	or catting a co	arse, con	p c.c <u>u</u>		ant neids	•							
		CURR	ENT						PROP	OSED			
Pref	fix Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar	
		Hours							Hours				
Titl	e: Click here	to enter	text.				Title:	Click here	to enter 1	text.			
	edit Hours		quisites		Co-		Cred	Title: Click here to enter text. Credit Hours Prerequisites				Co-	
				re	quisites						red	quisites	
	urse/Catalog	•	on <i>(125 w</i>	ords)			Course/Catalog Description (125 words) Click here to enter text.						
	k here to en			DI			+				Dlan		
	urse Outcom		sessment	Pian			_	e Outcomere to ent		sessment	Plan		
	k here to en urse Outline		Time Alla	catio	n			e Outline i		Time Allo	cation	1	
	k here to en		Time And	catio				ere to en		Time And	catioi	1	
L	f not LEC/LA		heck box	as ap	propriate	[Se	<u> </u>						
	☐ Practicum						_		-				
[☐ Independ	ent Study											
	College Code	•											
C. [Department	Code: Cho	oose an it	em.									
D. (Credit Hours	:											
[□ Variable												
[\square Fixed												
E. 1	Minimum Cr	edit Hour	s: Click he	ere to	enter text								
F. [Maximum Cr	edit Hour	s: Click he	ere to	enter tex	t.							
G. I	Hours may b	e repeate	d for add	itiona	l credit:								
[□ No												
[☐ Yes – If ye	s, max tir	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	Click	here to enter	text.
	_evels: 												
	☐ Undergra	duate											
	☐ Graduate												
	☐ Profession												
I. (Grade Metho	od:											

 \square Standard Letter Grading

J. Does the proposed course replace	an equivalent course?										
□ No											
\square Yes – If yes, enter equivalent co	urse: Click here to enter text.										
	Course Prefix, Number – Course Title										
K. Term(s) Offered: Click here to enter	r text.										
L. Max Section Enrollment:	Max Section Enrollment:										
Lecture: Click here to enter text.											
Lab: Click here to enter text.											
To be completed by Academic Affairs Of	fice: Standards & Measures Coding and General Education Code										
☐ Basic Skill (BS), ☐ General Education	, 🗆 Occupational Education, Gen Ed. Codes:										
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:										
OFFICE OF THE REGISTRAR USE ONLY											
Date Rec'd: Date Complete											
Fntered · □ SCACRSE □ SCADETI □ SCA	RRES / SCAPREO										

PHAR 611 Course Information Form (formerly Form E and Form F)

	ACTION TO BE TAKEN:												
□ c	REATE, 🗆	MODIFY	Y, OR ⊠	DELE	TE								
			D . /6				_						
	Desired Term Effective Date (6-digit code): 202201 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.												
,,,,,,		our argres	marcate y	<i>,</i>	e next two	u, g	gres mare.			erm segme			
I.COU	RSE IDENT	IFICATIO			-								
الاطما		······		Prefix,	, Course Νι	ım	ber – Coı	ırse Title					
	leting a co			alde th	nat will he	ck	nanged						
	ating a co	-					ialigeu.						
		,	<u></u>										
		CURR	ENT						PROPO	OSED			
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
		110013							110013				
Title:	Click here	to enter t	text.		l		Title: (Click here	to enter t	text.	I		
Cred	it Hours	Prerec	quisites		Co-		Credi	t Hours	Prerec	quisites		Co-	
				red	quisites						red	quisites	
Course/Catalog Description (125 words) Course/Catalog Description (125 words)													
	nere to en	•	OII (123 W	orusj			Click here to enter text.						
	e Outcom		sessment	Plan			Course Outcomes and Assessment Plan						
	nere to en						Click here to enter text.						
Cours	e Outline i	including	Time Allo	catio	า		Course Outline including Time Allocation						
	nere to en						l	ere to ent					
	ot LEC/LA		heck box	as apı	propriate ,	[Se	e Definit	ions in App	endix E]:				
	Practicum												
	Independe	•											
	lege Code partment			om									
	dit Hours:		Jose all it	CIII.									
	Variable												
	Fixed												
E. Mir	nimum Cre	edit Hours	s: Click he	re to	enter text								
. Ma	ximum Cr	edit Hour	s: Click he	ere to	enter tex	t.							
G. Ho	urs may be	e repeate	d for add	itiona	l credit:								
	No												
	-	s, max tin	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter to	
H. Lev	_												
	Undergrad	duate											
	Graduate												
	Profession												
. Gra	ide Metho	u:											

 \square Standard Letter Grading

J. Does the proposed cours	se replace an equivalent o	course?
\square No		
\square Yes – If yes, enter equ	ivalent course: Click here	to enter text.
	Course	Prefix, Number – Course Title
K. Term(s) Offered: Click he	ere to enter text.	
L. Max Section Enrollment:		
Lecture: Click here to en	ter text.	
Lab: Click here to enter t	ext.	
To be completed by Academic	: Affairs Office: Standards 8	& Measures Coding and General Education Code
☐ Basic Skill (BS), ☐ General	Education, \square Occupationa	al Education, Gen Ed. Codes:
UCC Chair Signature & Date:		Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR US	_	
Date Rec'd: Dat	:e Completed:	<u></u>
Entered TSCACRSE TSCAD	FTI TSCARRES TSCAPRE	50

	AR 680 C		ntorma	atioi	n Form	(7	torme	riy Fori	m E and	a Form	<i>F)</i>		
	CHON TO BE		Y, OR ⊠	DELE	TE								
0	Desired Term OTE: The first j	Effective	Date (6-c	ligit c	ode): 2022			ate month	in which te	erm beains	i.		
		ou. a.go	a.cate y			· · · ·	g. coae			20g			
II.C	OURSE IDENT	TFICATIO				-							
ıf	deleting a co	urea STA		Prefix	, Course Nu	ım	ber – Co	urse Title					
	or modification			elds ti	nat will be	cl	hanged.						
	creating a co	•											
			•	_"									
	_	CURR	ENT						PROPO	DSED			
Pre	efix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
		1.00.0							110010				
Tit	le: Click here	to enter t	text.		•		Title:	Click here	to enter t	ext.			
С	redit Hours	Prerec	quisites		Co-		Cred	it Hours	Prerec	uisites		Co-	
				re	quisites						red	uisites	
Co	urse/Catalog	Description	on /125 w	ords)			Cours	e/Catalog	Description	on /125 w	ords)		
	ck here to en	•	O11 (123 W	orusj			-	nere to en	•	JII (123 W	Jiusj		
	urse Outcom		sessment	: Plan			+	e Outcom		sessment	Plan		
Cli	ck here to en	ter text.					Click here to enter text.						
Со	urse Outline	including	Time Allo	catio	n		Course Outline including Time Allocation						
	ck here to en						Click here to enter text.						
A.	If not LEC/LA		heck box	as ap	propriate [Se	ee Definit	tions in App	endix E]:				
	☐ Practicum												
_	☐ Independe	•											
	College Code			0.100									
	Department Credit Hours		oose an it	em.									
υ.	☐ Variable	•											
	☐ Fixed												
E.	Minimum Cre	edit Hours	s: Click he	ere to	enter text								
	Maximum Cr												
G.	Hours may be	e repeate	d for add	itiona	l credit:								
	□ No												
	☐ Yes – If ye	s, max tin	nes repea	ited: (Click here t	to	enter te	ext. OR ma	ax credits	awarded	Click	here to enter	text.
Н.	Levels:												
	☐ Undergraduate												
	\square Graduate												
	☐ Profession	nal											
I.	Grade Metho	od:											

 \square Standard Letter Grading

☐ Credit/No Credit

J.	Does the proposed course replace an equivalent course	?
	□ No	
	☐ Yes – If yes, enter equivalent course: Click here to ent	er text.
	Course Prefix,	Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
To	o be completed by Academic Affairs Office: Standards & Meas	ures Coding and General Education Code
	🛾 Basic Skill (BS), 🗆 General Education, 🗆 Occupational Educa	tion, Gen Ed. Codes:
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
	m torod \cdot \square SCACDSE \square SCADETI \square SCADDES \square SCADDEO	

Curriculum Form EF's for Renumbering of Electives Form EF New and Corresponding Delete

ELECTIVES RENUMBERING

Prefix	New #	Name	Eff Term	OldPrefix	Old#	
PHAR	651	Introduction to Public Health	201901	PHAR		450
PHAR	652	Institutional Pharmacy	201901	PHAR		451
PHAR	653	Topics in Nutrition Biochem	201901	PHAR		453
PHAR	654	Curr Controversies Health Care	201901	PHAR		455
PHAR	656	Intro to Pharmacy Law & Ethics	201901	PHAR		457
PHAR	657	Data Instrument and Analysis	201901	PHAR		461
PHAR	658	Pharmaceutical Science Seminar	201901	PHAR		462
PHAR	659	Botanical Supple - Alt Therapy	201901	PHAR		463
PHAR	660	Natural Product Toxins	201901	PHAR		464
PHAR	664	Medicinal Chemistry Research	201901	PHAR		466
PHAR	665	Sel Top Medicinal Chemistry	201901	PHAR		468
PHAR	667	Carcinogenesis	201901	PHAR		469
PHAR	668	Pharmacy and Geriatric Health	201901	PHAR		470
PHAR	669	Toxicology	201901	PHAR		476
PHAR	671	Pharmacoepidemiology	201901	PHAR		474
PHAR	672	Advanced Compounding	201901	PHAR		475
PHAR	750	Managed Care Pharmacy Pract	202001	PHAR		551
PHAR	751	Adv Topics in Infect Diseases	202001	PHAR		552
PHAR	752	Palliative Care	202001	PHAR		553
PHAR	753	Comp & Alt Med for Clin Pharm	202001	PHAR		554
PHAR	754	Spec Topics in Comm Pharm Prac	202001	PHAR		556
PHAR	755	Med Research Methods - Design	202001	PHAR		558
PHAR	756	Interdis Community Practicum	202001	PHAR		559
PHAR	757	Advance Card Life Support	202001	PHAR		560
PHAR	758	Elder Care Initiative	202001	PHAR		562
PHAR	759	Spec Pop Peds Geriatrics	202001	PHAR		563
PHAR	760	Integr Team-Based Health Care	202001	PHAR		564
PHAR	850	Academic APPE	202101	PHAR		605
PHAR	851	Drug Information APPE	202101	PHAR		606
PHAR	852	Prof Organization Manage APPE	202101	PHAR		609
PHAR	853	Community Mgmt APPE	202101	PHAR		613
PHAR	854	Hospital Pharmacy Admin APPE	202101	PHAR		617
PHAR	855	Managed Care APPE	202101	PHAR		618
PHAR	856	Spec Comm Practice APPE	202101	PHAR		625
PHAR	857	Veterinary Medicine APPE	202101	PHAR		626
PHAR	858	Nuclear Pharmacy APPE	202101	PHAR		628
PHAR	859	Special Top Inpatient Med APPE	202101	PHAR		650
PHAR	860	Special Top Amb Care APPE	202101	PHAR		655
PHAR	861	Corporate Pharmacy MBA APPE	202101	PHAR		661
PHAR	862	Pharmaceutical Indust MBA APPE	202101	PHAR		662
PHAR	863	Health Systems Pharm MBA APPE	202101	PHAR		663
PHAR	864	International Pharmacy APPE	202101	PHAR		666
PHAR	865	Research APPE	202101	PHAR		670

PHAR 651 Course Information Form (formerly Form E and Form F)

ı	. AC	TIO	N T	ΓO	RF 1	ΓΔΚ	F	V	•
ı	. ~~				DL I			•	•

□ CREATE, □ MODIFY, OR □ DELETE

Desired Term Effective Date (6-digit code): 201901

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 651: Introduction to Public Health

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete all relevant fields.

CURRENT						PROPOSED						
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
						PHAR	651	2	2			
Title: Click here to enter text.				Title: Ir	ntroductio	n to Publ	ic Health					
Credi	t Hours	Prereq	uisites		Co-	Credi	Credit Hours Prerequisites				Co-	
				rec	quisites					rec	requisites	
							2					
Course	e/Catalog	Description	on <i>(125 w</i>	ords)		Course	/Catalog I	Descriptio	n <i>(125 wc</i>	ords)		
Click here to enter text.						In this introductory course, students will be exposed to the basic principles of public health and the public health delivery system. The students will learn about the pharmacist's role as a public health professional and how pharmacists, as the most accessible, approachable and accepted health professional, can improve the public's health. As part of the course, students will be expected to design and implement a community public health educational campaign project.						
Course	Outcome	es and As	sessment	Plan			Outcome		essment	Plan		
Click here to enter text.				member provider identify 2. Identi may affe services 3. Integr practice, 4. Advoc the healtone societal 6. Partne practice: Assessm examina	nunicate and as of the comes and admir and resolve fy and analy ect the efficate amend exact populate; cate for public the first populate and exact populates and exac	nmunity, an istrative an public healt ze emergin, acy or qualit xisting or de ion-based c ic policy the blic; balances ind munities in preventive its will be as ntations, sh	d other invided supportive the problem go issues and y of disease evelop addiate and service the althorough the	olved here persons; d service preventional solutions and profession decision paper	tealth care connel to the sthat care care care care care care care care			
	e Outline i		Time Allo	catior	1		Outline in	ncluding 1	ime Allo	cation		
Click h	ere to ent					See be	low					

A.	If not LEC/LAB/SEM,	Check box a	s appropriate	[See Definitions	in Appendix E
	_				

☐ Practicum

☐ Independent Study

B. College Code: PH

C.	Department Code: PHAR				
D.	Credit Hours:				
	☐ Variable				
	⊠ Fixed				
E.	Minimum Credit Hours: 2				
F.	Maximum Credit Hours: 2				
G.	Hours may be repeated for additional credit:				
	⊠ No				
	☐ Yes – If yes, max times repeated: Click here to enter tex	ct. OR max credits	s awarded: Click	here to enter text.	
Н.	Levels:				
	☐ Undergraduate				
	☐ Graduate				
	□ Professional				
l.	Grade Method:				
	Standard Letter Grading				
	☐ Credit/No Credit				
J.	Does the proposed course replace an equivalent course?				
	□ No				
	⊠ Yes – If yes, enter equivalent course: PHAR 450: Introdu	iction to Public He	ealth		
	Course Prefix, Nu	ımber – Course Titl	e		
K.	Term(s) Offered: Fall, Spring				
L.	Max Section Enrollment:				
	Lecture: 30				
	Lab: Click here to enter text.				
					_
	b be completed by Academic Affairs Office: Standards & Measure	=		ode	
	Basic Skill (BS), General Education, Occupational Education	on, Gen Eu. Coues.	·		_
UC	C Chair Signature & Date:	Academic Affa	irs Approval Sig	nature & Date:	
	FFICE OF THE REGISTRAR USE ONLY				
	ate Rec'd: Date Completed:				
	ntered: SCACRSE, SCADETL, SCARRES, SCAPREQ				
cou	rrse Outline:			_	
	Topic		Hrs		

Topic	Hrs
Introduction to course	1
Introduction and overview of public health	3
Public health and the health system	2
Prevention in public health	2
Public health implications for pharmacists and pharmacy practice	4
Basic public health principles of disease prevention and health promotion	4
Prevention programs	2
Basic tasks in program design	2
Implications for pharmacists and pharmacy practice	4
Interventions, programs and services	2
Presentation of community project	2
Exams	2

PHAR 652 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{\Box}$ Modify, or $oxed{\Box}$ delete

Desired Term Effective Date (6-digit code): 201901

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 652: Institutional Pharmacy

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

CURRENT						PROPOSED							
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix		Number	Contact Hours	Lecture	Lab	Seminar	
						PHAR		652	2	2			
Title:	Title: Click here to enter text.			•	Title: I	stit	tutional I	Pharmacy	,		•		
Cred	it Hours	Prereq	uisites		Co-	Cred	it H	lours	Prerec	uisites		Co-	
				rec	quisites						rec	requisites	
6	. /C	D	/4.25			6	2			/105			
	e/Catalog		on <i>(125 w</i>	ords)					scription			t oro	
Click here to enter text.					unique setting. purchas clinical	This course presents information and issues that are unique to the practice of pharmacy in the institutional setting. This will include logistics and distribution, purchasing and inventory control, automation, and clinical services in the contemporary hospital practice setting along with relevant evolutions to long-term care							
Course Outcomes and Assessment Plan					Course	Course Outcomes and Assessment Plan							
Course Outcomes and Assessment Plan Click here to enter text.			to: 1. Co ho: 2. Ou inc we 3. Ide and cui dis 4. Re ma 5. De sys coi coi 6. Ou cei ins of f sef 7. Ide	mpaspitas spitas diline udir I as ntify dica I crit rent cogr nufa scrib ttem npai ditio ttere ituti he p tings ntify nnin	are and coal setting verthe organing a profer a contemm of the imposition dispettique a phase standard attion. In the contemposition and the content appears of druction and setting and the scope of clinical identification and setting the role of and magnification are setting and magnification and magnification are setting and magnification and magnification are setting and magnification and setting and s	the course ontrast rein with the ret nizational sissional an apporary hourtant adva ensing in the armacy set in traverent centimation in applications g distribtuie and impartacy pharmacy pharmacy in these of the pharmagement ster scenar	nbursemental setting. Structure of description of the control of t	of the hiservices macy. Unit-of- conal seemplian ive dru f a ster exture particle deceal setting erent from the le and opes of disastes.	e cospital es; as cospital es				

Form EF

		Assessment: For each objective, students will be assessed using traditional examinations, presentations, short papers and in-class debates.	Effective Fall 2016
С	ourse Outline including Time Allocation	Course Outline including Time Allocation	-
С	lick here to enter text.	See below	
A.	If not LEC/LAB/SEM, Check box as appropriate [[See Definitions in Appendix E]:	_
	☐ Practicum		
	☐ Independent Study		
В.	College Code: PH		
C.	Department Code: PHAR		
D.	Credit Hours:		
	☐ Variable		
	⊠ Fixed		
E.	Minimum Credit Hours: 2		
F.	Maximum Credit Hours: 2		
G.	Hours may be repeated for additional credit:		
	⊠ No		
	\square Yes – If yes, max times repeated: Click here \dagger	to enter text. OR max credits awarded: Click here to en	nter text.
Н.	Levels:		
	☐ Undergraduate		
	\square Graduate		
	□ Professional		
l.	Grade Method:		
	☐ Credit/No Credit		
J.	Does the proposed course replace an equivalen	nt course?	
	□ No		
		.51: Institutional Pharmacy	
		rse Prefix, Number – Course Title	
K.	Term(s) Offered: Fall, Spring	- - - - - - - - - 	
L.	Max Section Enrollment:		
	Lecture: 30		
	Lab: Click here to enter text.		
	o be completed by Academic Affairs Office: Standard	=	
	🛘 Basic Skill (BS), 🗖 General Education, 🗖 Occupatio	onal Education, Gen Ed. Codes:	
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & D	Pate:
0	OFFICE OF THE REGISTRAR USE ONLY		
	ate Rec'd: Date Completed:		
Er	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAP	'REQ	

PHAR 652

16. Midterm exam

Topic	Time Allocation (hours)
Introduction to the hospital setting and reimbursement	1
2. Organizational structure of the hospital and professional services	2
3. Distribution and logistics, unit-of-use medication dispensing	4
4. Sterile manufacturing and intravenouse admixture services	2
5. Computerization and automation in the institutional setting	2
6. Purchasing, inventory control, controlled substances	2
7. The Pharmacy and Therapeutics Committee and the Formulary	2
8. Accrediting organizations for hospitals	1
9. Clinical care services in the patient care setting	4
10. Drug information services	1
11. Hospice care services	2
12. Specialty clinics	1
13. Disaster management	2
14. Long-term care facilities	2
15. Residency training in the institutional setting	1

1

PHAR 653 Course Information Form (formerly Form E and Form F)

Than 055 Course information form (formerly form 2 and form f
ACTION TO BE TAKEN:
☑ CREATE, □ MODIFY, OR □ DELETE
Desired Term Effective Date (6-digit code): 201901
NOTE: The first four digits indicate year, the next two digits indicate month in which term begins

II.COURSE IDENTIFICATION: PHAR 653: Topics in Nutrition Biochem

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		CURR	ENT			PROPOSED						
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
						PHAR	653	2	2			
Title: (Click here	to enter t	ext.			Title: T	opics in N	utrition B	iochem			
Credi	t Hours	Prereq	uisites		Co-	Credi	t Hours	Prereq	uisites		Co-	
				rec	uisites					rec	quisites	
							2					
	e/Catalog		on <i>(125 w</i>	ords)			/Catalog I					
	ere to ent			DI.		concent importa vitamins dietary disease	an upper le trating on is nce will be s and mine deficiency, e states and	ssues relat energy me rals in meta dietary sup I diet and e	ed to nutri etabolism, abolic syst oplements exercise.	tion. C roles c ems, is , diet a	of ssues of	
	e Outcome		sessment	Plan			Course Outcomes and Assessment Plan At the completion of the course, the student will be					
Click here to enter text.					3. De and 4. De in r prir pla 5. De dis nut sta	tline and deds and professifications plain the reservoic me crition and he scribe the reservoic the receedance of illnesses and services and service	eins play in and their a lationships tabolism an lealth; roles that g ay in nutrit role that vit d metabolism de design out trends in trends in trends in trese; itself in as.	n the diet, appropriate between and roles the lucose, gluion and mamins and apof a patien obesity, etes and control the evoluoisminations.	their de dieta aerobio ey play ucagor etaboli I miner ply the t's nutr cardiov cancer tion of	ifferent ry intake; c and y in n, insulin sm; als play se ition vascular and how these		
	e Outline i		Time Allo	catior	1	_	Course Outline including Time Allocation					
	ere to ent				vannista (See be	low					

•	if not LEC/LAB/SEM, Check box as appropriate [see Definitions in Appendix E]:
	☐ Practicum
	☐ Independent Study

В.	College Code: PH	
C.	Department Code: PHAR	
D.	Credit Hours:	
	☐ Variable	
	⊠ Fixed	
E.	Minimum Credit Hours: 2	
F.	Maximum Credit Hours: 2	
G.	Hours may be repeated for additional credit:	
	⊠ No	
	☐ Yes – If yes, max times repeated: Click here to enter text. OR	max credits awarded: Click here to enter text.
Н.	Levels:	
	☐ Undergraduate	
	☐ Graduate	
	⊠ Professional	
1.	Grade Method:	
	Standard Letter Grading	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
۶.	□ No	
		rition Riochem
	Course Prefix, Number	
K.	Term(s) Offered: Fall, Spring	Course Title
L.	Max Section Enrollment:	
	Lecture: 30	
	Lab: Click here to enter text.	
	Zabi onok here to enter texti	
To	be completed by Academic Affairs Office: Standards & Measures Cod	ng and General Education Code
	\square Basic Skill (BS), \square General Education, \square Occupational Education, Ge	_
UC	C Chair Signature & Date: Aca	demic Affairs Approval Signature & Date:
	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
	ntered: SCACRSE, SCADETL, SCARRES, SCAPREQ Durse Outline including Time Allocation:	
CC	burse Outline including Time Allocation.	
	1. Carbohydrates	2 hours
	2. Lipids	2 hours
	3. Proteins	2 hours
	4. Review of aerobic and anaerobic metabolism	2 hours
	5. Glucose, glucagon, insulin and cortisol	2 hours
	6. Vitamins, minerals and supplements	10 hours
	7. Effects of nutrition on disease (e.g. obesity, MI, stroke, diabo	·
	8. Exams (other than final exam)	2 hours

PHAR 654 Course Information Form (formerly Form E and Form F)

I. ACTION T	O BE TA	AKEN:
-------------	---------	-------

\boxtimes	CREATE	, 🗆	MODIFY,	OR		DELETE
-------------	--------	-----	---------	----	--	--------

Desired Term Effective Date (6-digit code): 201901

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 654: Curr Controversies Health Care

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

		CURR	ENT		PROPOSED						
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Prefix Number		Lecture	Lab	Seminar
						PHAR	654	2	2		
Title: 0	Click here	to enter t	ext.			Title: 0	Curr Contro	oversies F	lealth Ca	re	
Credi	it Hours	Prereq	uisites		Co- Juisites	Cred	t Hours	Prerec	uisites		Co-requisites
							2				
Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text.					This co controv discuss be end of the high justice, definition of the course at the course at the course and th	ersies in he ded in the frouraged to dealth profesions of the best completion of the allocation of the decompletion of the dec	esent controlled to controlled	emporary that affect of contemp sions about attent relat esources, nd end of sessment se, the sturent contro s or politic all theories s or the pu which diffe urrounding th strategie ary issues; rguments sues; ed goals, pa a public po	issues public porary ut thes itionship profes humar Plan ident s versie cal deb or fram blic an erent s impor es for g to advo	hould be able to: s in health care that eate at the state or neworks that impact ealyze and interpret takeholders analyze tant health care issues; gathering facts related ocate for their position ional obligation and ebate; and	
						Assess how religious mores and definitions of life influence the public policy debates on contemporary health care issues. Assessment: Students will be assessed through the use of position papers, topical presentations and classroom discussion.					
Course	e Outline i	ncluding	Time Allo	cation	1	Course	Outline ii	ncluding 7	Γime Allo	cation	1
Click h	ere to ent	er text.				See be	low				

A.	If not LEC/LAB/SEM	, Check box as	appropriate	[See De	finitions in A	Appendix EJ:
----	--------------------	----------------	-------------	---------	----------------	--------------

□ Practicum

		Lifective Fail 201
	☐ Independent Study	
	College Code: PH	
	Department Code: PHAR	
D.	Credit Hours:	
	☐ Variable	
	□ Fixed	
E.	Minimum Credit Hours: 2	
F.	Maximum Credit Hours: 2	
G.	Hours may be repeated for additional credit:	
	⊠ No	
	\square Yes – If yes, max times repeated: Click here to enter text.	OR max credits awarded: Click here to enter text.
Н.	Levels:	
	☐ Undergraduate	
	☐ Graduate	
	□ Professional	
١.	Grade Method:	
	Standard Letter Grading	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
	□ No	
		roversies Health Care
	Course Prefix, Num	
Κ.	Term(s) Offered: Fall, Spring	
L.	Max Section Enrollment:	
	Lecture: 30	
	Lab: Click here to enter text.	
To	be completed by Academic Affairs Office: Standards & Measures	Coding and General Education Code
	Basic Skill (BS), \square General Education, \square Occupational Education	, Gen Ed. Codes:
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
_	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
	tered: □SCACRSE, □SCADETL, □SCARRES, □SCAPREQ	
	, , , , , , , , , , , , , , , , , , , ,	
	pic	Hours
	roduction to course and ethical decision making	2
	tioning in healthcare case	2
υu	rrent cases of bioethical dilemmas discussed each week (Topics will vary based on current issues)	26
	(TOPICS WIII VALY DASCU OH CUHEHL ISSUES)	

Effective Fall 2016

PHAR 656 Course Information Form (formerly Form E and Form F)

I. AC	OIT	OT V	BF:	TAKEN	J:

\boxtimes	CREATE,	MODIFY	, OR		DELETE
-------------	---------	--------	------	--	--------

Desired Term Effective Date (6-digit code): 201901

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 656: Intro to Pharmacy Law & Ethics

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

		CURR	ENT				PROPOSED					
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
						PHAR	656	2	2			
Title: (Click here	to enter t	ext.			Title: I	ntro to Ph	armacy La	aw & Ethi	CS		
Credi	t Hours	Prereq	uisites		Co-	Cred	it Hours	Prerec	uisites		Co-requisites	
				red	quisites							
							2					
Course	e/Catalog	Description	on <i>(125 w</i>	ords)			e/Catalog					
Click here to enter text.				pharma legal p concep develo	acy profess rocess in th ots and give p skills in pr	ional acts a e United S s them an oblem-solv	and service tates. It al opportunity ving and cr	es as v Iso intr y to ap ritical t	concepts of legal regulation of well as an overview of the roduces students to ethical oply ethical principles and hinking.			
	e Outcome		sessment	Plan			Course Outcomes and Assessment Plan At the completion of the course, the student will be able to:					
Click here to enter text.				1. Idd 2. Di 3. Lis 4. Di 5. De 6. Idd 7. Di 8. Idd 9. Ex the 10. Ap	entify the restinguish the stinguish the the responsinguish be escribe the entify the sideral Food, stinguish etentify the opposition the leer ethical in oply ethical	asons why e sources a nsibilities of etween crin relationship gnificant hi Drug, and hical from otions oper gal duties, nplications knowledge dents will b	society re and types of administration of administration of administration of a between storical every cosmetic other kinds of a pharm obligation of to patient	gulate of laws rative a and a federa ents th Act. s of iss macist s, and care	es medications. s in the United States. agencies. dministrative liability. al and state law. hat have shaped the current sues in pharmacy. I faced with a moral problem. rights of the pharmacist and			
Course	e Outline i	ncluding	Time Allo	cation	1		e Outline i					
	ere to ent					See be						

Α.	If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
	☐ Practicum
	☐ Independent Study
В.	College Code: PH
C.	Department Code: PHAR

D. Credit Hours:

☐ Variable

	□ Fixed □	
E.	Minimum Credit Hours: 2	
F.	Maximum Credit Hours: 2	
G.	Hours may be repeated for additional credit:	
	⊠ No	
	☐ Yes – If yes, max times repeated: Click here to	enter text. OR max credits awarded: Click here to enter text.
Н.	Levels:	
	☐ Undergraduate	
	☐ Graduate	
	□ Professional	
l.	Grade Method:	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent	course?
	□ No	
		: Intro to Pharmacy Law & Ethics
		Prefix, Number – Course Title
K.	Term(s) Offered: Fall, Spring	
L.	Max Section Enrollment:	
	Lecture: 30	
	Lab: Click here to enter text.	
	be completed by Academic Affairs Office: Standards 8	
Ш	Basic Skill (BS), ☐ General Education, ☐ Occupationa	Il Education, Gen Ed. Codes:
LIC.	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
UC	C Chair Signature & Date.	Academic Arians Approval Signature & Date.
		
01	FFICE OF THE REGISTRAR USE ONLY	
Do	ate Rec'd: Date Completed:	
En	STORED TO SCAPET TO SCAPETS TO SCAPE	
	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPRE	^r Q
Ton	Nereu: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPRE	^r Q
ιυμ	Dic	Time Allocation
ιυμ		
ιυμ	Introduction to course Introduction to ethics	Time Allocation 1 2
ıυμ	1. Introduction to course 2. Introduction to ethics 3. Introduction to Law	Time Allocation 1 2 2
ΙΟΡ	Introduction to course Introduction to ethics	Time Allocation 1 2 2 2 1
ТОР	1. Introduction to course 2. Introduction to ethics 3. Introduction to Law 4. Professional values in Pharmacy Practice 5. The Code of Ethics for Pharmacists 6. Ethical Decision-Making: Foundations	Time Allocation 1 2 2 2 1 1 2
TOP	1. Introduction to course 2. Introduction to ethics 3. Introduction to Law 4. Professional values in Pharmacy Practice 5. The Code of Ethics for Pharmacists 6. Ethical Decision-Making: Foundations 7. Exam 1	Time Allocation 1 2 2 2 1 1 2 1
ΙΟμ	1. Introduction to course 2. Introduction to ethics 3. Introduction to Law 4. Professional values in Pharmacy Practice 5. The Code of Ethics for Pharmacists 6. Ethical Decision-Making: Foundations 7. Exam 1 8. Legal Structure in the United States	Time Allocation 1 2 2 2 1 1 2 1 1
ΙΟμ	1. Introduction to course 2. Introduction to ethics 3. Introduction to Law 4. Professional values in Pharmacy Practice 5. The Code of Ethics for Pharmacists 6. Ethical Decision-Making: Foundations 7. Exam 1 8. Legal Structure in the United States 9. Liability	Time Allocation 1 2 2 2 1 1 2 1 3
ΙΟμ	1. Introduction to course 2. Introduction to ethics 3. Introduction to Law 4. Professional values in Pharmacy Practice 5. The Code of Ethics for Pharmacists 6. Ethical Decision-Making: Foundations 7. Exam 1 8. Legal Structure in the United States	Time Allocation 1 2 2 2 1 1 2 1 1
тор	1. Introduction to course 2. Introduction to ethics 3. Introduction to Law 4. Professional values in Pharmacy Practice 5. The Code of Ethics for Pharmacists 6. Ethical Decision-Making: Foundations 7. Exam 1 8. Legal Structure in the United States 9. Liability 10. Administrative Agencies 11. Federal Laws Applicable to Pharmacy 12. Exam II	Time Allocation 1 2 2 2 1 1 2 1 3 2 1 1 1 1 1 1 1 1 1
тор	1. Introduction to course 2. Introduction to ethics 3. Introduction to Law 4. Professional values in Pharmacy Practice 5. The Code of Ethics for Pharmacists 6. Ethical Decision-Making: Foundations 7. Exam 1 8. Legal Structure in the United States 9. Liability 10. Administrative Agencies 11. Federal Laws Applicable to Pharmacy 12. Exam II 13. State Laws Applicable to Pharmacy	Time Allocation 1 2 2 2 1 1 2 1 3 2 1 1 1 1 1 1 1 1 1
ТОР	1. Introduction to course 2. Introduction to ethics 3. Introduction to Law 4. Professional values in Pharmacy Practice 5. The Code of Ethics for Pharmacists 6. Ethical Decision-Making: Foundations 7. Exam 1 8. Legal Structure in the United States 9. Liability 10. Administrative Agencies 11. Federal Laws Applicable to Pharmacy 12. Exam II 13. State Laws Applicable to Pharmacy 14. State Regulation of Pharmacy Practice	Time Allocation 1 2 2 2 1 1 2 1 3 2 1 1 3 2 3 1 1 1 3
ΙΟμ	1. Introduction to course 2. Introduction to ethics 3. Introduction to Law 4. Professional values in Pharmacy Practice 5. The Code of Ethics for Pharmacists 6. Ethical Decision-Making: Foundations 7. Exam 1 8. Legal Structure in the United States 9. Liability 10. Administrative Agencies 11. Federal Laws Applicable to Pharmacy 12. Exam II 13. State Laws Applicable to Pharmacy	Time Allocation 1 2 2 2 1 1 2 1 3 2 1 1 1 3 2 3 2 3 1 1 1 3 2

PHAR 657 Course Information Form (formerly Form E and Form F)

I.	ACTI	ON	TO	BE	TAI	KEN	:
----	-------------	----	----	----	-----	-----	---

\boxtimes	CREATE	, 🗆	MODIFY,	OR		DELETI
-------------	--------	-----	---------	----	--	--------

Desired Term Effective Date (6-digit code): 201901

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 657: Data Instrument and Analysis

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

CURRENT							PROPOSED					
Prefix	Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar
		Hours							Hours	_		
							PHAR	657	2	2		
	Click here			ı				ata Instru			1	
Credi	t Hours	Prereq	uisites		Co-		Credi	t Hours	Prereq	uisites		Co-
				rec	quisites						rec	quisites
								2				
Course	e/Catalog	Description	on <i>(125 w</i>	ords)				/Catalog I				
Click here to enter text.							This course will examine the development and validation of instruments for measuring social, behavioral and patient reported outcomes as well as the analysis of data using simple univariate and multivariate inferential statistics. Emphasis will be placed on students gaining expertise in utilizing the available university statistical analysis software package.					
-			sessment	Plan			Course Outcomes and Assessment Plan					
Course Outcomes and Assessment Plan Click here to enter text.							1. Outline and execute a plan for developing (including pilot and field testing) a questionnaire (survey) for measurement of social, behavioral or patient reported outcomes. 2. Outline and execute a plan for measuring the reliability and validity of a questionnaire (survey). 3. Implement questionnaire designs that are consistent with variable measurement and maximizes data analysis. 4. Compare and contrast different collection methods for social, behavioral and patient reported outcomes. 5. Collect, prepare and code data for analysis using statistical analysis software. 6. Analyze and interpret study data using statistical analysis software. Assessment: All course objectives will be measured) for reported ne ey). consistent ata nethods comes. using	
Course	e Outline i	ncluding [*]	Time Allo	catior	1		using case exercise and a class project. Course Outline including Time Allocation					
Click h	ere to ent	er text.					See below					

A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:

	☐ Practicum
	☐ Independent Study
В.	College Code: PH

C. Department Code: PHAR

_	D. Cradit Hausa	
υ.	D. Credit Hours:	
	☐ Variable	
	⊠ Fixed	
	E. Minimum Credit Hours: 2	
F.		
G.	G. Hours may be repeated for additional credit:	
	⊠ No	
	\square Yes – If yes, max times repeated: Click here to enter text. OR max cred	lits awarded: Click here to enter text.
Η.	H. Levels:	
	☐ Undergraduate	
	☐ Graduate	
	☑ Professional	
١.	I. Grade Method:	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
	□ No	
	☑ Yes – If yes, enter equivalent course: PHAR 461: Data Instrument and I	analysis
	Course Prefix, Number – Course	•
K.	K. Term(s) Offered: Fall, Spring	
L.		
	Lecture: 20	
	Lab: Click here to enter text.	
To	To be completed by Academic Affairs Office: Standards & Measures Coding and G	eneral Education Code
	\square Basic Skill (BS), \square General Education, \square Occupational Education, Gen Ed. Cod	es:
UC	UCC Chair Signature & Date: Academic Af	fairs Approval Signature & Date:
_	OFFICE OF THE REGISTRAR USE ONLY	
	Date Rec'd: Date Completed: Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	
LI	LINETER. L. SCACHSE, L. SCADETE, L. SCANNES, L. SCAFNEQ	

Торіс	Hours
Introduction to psychometrics	4
Instrumentation in social, behavioral and patient reported outcomes	4
Reliability and validity testing in social, behavioral and patient reported outcomes	2
Data collection methods for surveys and questionnaires	4
Review of basic inferential statistics	4
Data coding	4
Statistical analysis software	4
Statistical data analysis and interpretation	4
Total	30

PHAR 658 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

\boxtimes	CREATE	, 🗆	MODIFY,	OR		DELETI
-------------	--------	-----	---------	----	--	--------

Desired Term Effective Date (6-digit code): 201901

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 658: Pharmaceutical Science Seminar

A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

CURRENT						PROPOSED					
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar
						PHAR	658	2	2		
Title: (Click here	to enter t	ext.	•		Title: P	harmaceu	itical Scie	nce Semi	nar	
Credi	t Hours	Prereq	uisites	rec	Co- quisites	Credi	t Hours	Prereq	uisites		Co-requisites
							2				
Course	e/Catalog	Description	on <i>(125 w</i>	ords)			/Catalog [oics of current importance
	ere to en		sassmant	Plan		and rele profess tactics of Student them.	evance in the ional public of oral pres	ne pharmacations of pentations a	ceutical so rimary lite are incorpo s on pharm	rature rated naceut	s. A wide selection of is utilized. Strategy and during the course. ical topics of interest to
			36331116111	riaii							ealth databases.
Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation						2. Re pha arti 4. Pre inc and 5. Un val 6. Be sci 7. Aci pha 8. Imparesent present in active	ad and ana armaceutica epare Power icles. epare a Power orporates the difference of the derstand the ue and signable to pro- entific discussioners a level armaceutical prove scients attons, writ- attons, writ- atton and re-	alyze prima al sciences erPoint pre- werPoint pre- he findings erences. he basic co- nificance. hyide input ussion. el of confid al topics in utific writing dents will be ten article seport. Also n and prov	ry literatures. sentations resentations resentation re	and wan and wan and wan and wan and wan article statistic preserved so beak in zed so ed bases, and rtantly	written summaries of written summaries of write a report that es using a review format cs with emphasis on the p enter and get involved in a public on medical and cientific fashion. ed on their PowerPoint final PowerPoint , the student participation of fellow students will also
			Time Allo	catior	1	Course	Course Outline including Time Allocation				
Click h	ere to en					See be	See below				

	☐ Practicum
	☐ Independent Study
3.	College Code: PH

		Effective Fall 201
C.	Department Code: PHAR	
D.	Credit Hours:	
	☐ Variable	
	⊠ Fixed	
Ε.	Minimum Credit Hours: 2	
F.	Maximum Credit Hours: 2	
G.	Hours may be repeated for additional credit:	
	⊠ No	
	☐ Yes – If yes, max times repeated: Click here to enter	text. OR max credits awarded: Click here to enter text.
Н.	Levels:	
	☐ Undergraduate	
	☐ Graduate	
	⊠ Professional	
۱.	Grade Method:	
١.	 ✓ Standard Letter Grading 	
	_	
	☐ Credit/No Credit	2
J.	Does the proposed course replace an equivalent course	,
	□ No	
.,	-	Number – Course Title
	Term(s) Offered: Fall, Spring	
L.	Max Section Enrollment:	
	Lecture: 12	
	Lab: Click here to enter text.	
_		
	o be completed by Academic Affairs Office: <code>Standards</code> & Meas $ ceil$ Basic Skill (BS), $\ \square$ General Education, $\ \square$ Occupational Educa	
<u> </u>	Basic Skill (BS), 🖂 General Education, 🗀 Occupational Educa	ation, den eu. coues.
וור	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
UC	C Chan Signature & Date.	Academic Arians Approval signature & Date.
O	FFICE OF THE REGISTRAR USE ONLY	
_	ate Rec'd: Date Completed:	
	ntered: □SCACRSE, □SCADETL, □SCARRES, □SCAPREQ	
Cou	rrse Outline:	
	<u>Topic</u> Introduction and expectations	<u>Time Allocation, hour</u> 1
	Literature Search	1
	Statistics	2
	Sample presentation	1
	Student presentations	25

PHAR 659 Course Information Form (formerly Form E and Form F)

ı.	ACTIO	ON TO	BE TA	AKEN:
----	--------------	-------	-------	-------

\boxtimes	CREATE,		MODIFY	, OR		DELETE
-------------	---------	--	---------------	------	--	--------

Desired Term Effective Date (6-digit code): 201901

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 659: Botanical Supple - Alt Therapy

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

		CURR	ENT					Hours				
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number		Lecture	Lab	Seminar
							PHAR	659	2	2		
Title: (Click here	to enter t	ext.				Title: B	otanical S	upple - A	t Therap	у	
Credi	t Hours	Prereq	uisites	Co-			Credi	t Hours	Prereq	uisites		Co-
				rec	quisites						rec	quisites
								2				
Course	e/Catalog	Description	on <i>(125 w</i>	ords)				/Catalog I				
	ere to ent				This course will acquaint the student to the thera utility of a variety of herbal supplements and alternative regimens. Safety and evidence-base efficacy issues will be discussed as well as course herbal/alternative therapy users. Student who ta this course cannot receive elective credit for PHA 554.						ased ounseling o take	
-	e Outcome		sessment	Plan				Outcome				
	Click here to enter text. Course Outline including Time Allocation						able to: 1. Dis 2. Dis pre 3. Co pre 4. Des pro 5. Co thre Assess examina Course	ccuss the discuss the riscuss the riscuss the riscussed patient parations. Some the conducts in the mpare and the alternation project Outline in the country of the country	offerent uses sks associal nts on the current reg e U.S. contrast the ve medical ectives will ct paper an ncluding 1	es of herba ated with t sensible u ulations go ne benefits I therapies be evalua nd oral pre Time Allo	al prepa he use se of h overnir //risks o ate using esentat cation	arations. of herbal nerbal of at least ng ion.
Click here to enter text. 1. Introduction, History, Basic Issues (4 hr) 2. The Herbal Product Consur 3. Rational Phytotherapy (2 hr 4. Herbs, Phytomedicines, Ext activities (21 hours): 5. Alternative Therapies – Prohr)						sic Princip sumer (1 l 2 hr) Extracts w	les, Renr)	egulatory following				

Α.	If not LEC/LAB/SEM,	Check box as	s appropriate	[See Definitions	in Appendix E].
----	---------------------	--------------	---------------	------------------	-----------------

☐ Practicum

	☐ Independent Study
В.	College Code: PH
C.	Department Code: PHAR
D.	Credit Hours:
	□ Variable
	□ Fixed
E.	Minimum Credit Hours: 2
	Maximum Credit Hours: 2
G.	Hours may be repeated for additional credit:
	No No .
	☐ Yes — If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text.
Н.	Levels:
	☐ Undergraduate
	☐ Graduate
	□ Professional □ Pr
١.	Grade Method:
	☐ Credit/No Credit
J.	Does the proposed course replace an equivalent course?
••	□ No
	Course Prefix, Number – Course Title
Κ.	Term(s) Offered: Fall, Spring
L.	Max Section Enrollment:
	Lecture: 30
	Lab: Click here to enter text.
To	be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code
	Basic Skill (BS), 🗆 General Education, 🗅 Occupational Education, Gen Ed. Codes:
UC	C Chair Signature & Date: Academic Affairs Approval Signature & Date:
	FRICE OF THE DECISTRAD LICE ONLY
	FFICE OF THE REGISTRAR USE ONLY ate Rec'd: Date Completed:
	ntered:

PHAR 660 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{\Box}$ Modify, or $oxed{\Box}$ delete

Desired Term Effective Date (6-digit code): 201901

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 660: Natural Product Toxins

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		CURR	ENT					PROPC	SED	uro Lah Somina				
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar			
						PHAR	660	2	2					
Title: (Click here	to enter t	ext.			Title: N	latural Pro	duct Tox	ins					
Cred	t Hours	Prereq	uisites	Co-		Credi	t Hours	Prereq	uisites		Co-			
				rec	quisites					red	quisites			
							2							
Course	e/Catalog	Description	on <i>(125 w</i>	ords)			/Catalog I							
Click here to enter text.						This course will acquaint the student with the scope; general and specific principles of treatment; and prevention measures for common plant, mushroom, food and Marine toxins. Additionally the student will be introduced to information sources; brief taxonomic considerations; how to handle a poisoning and how to handle a poisoning call to the pharmacy. Field trips to view local plants and the Medicinal Garden will be included.								
Course	e Outcome	es and Ass	sessment	Plan		Course	Outcome	es and Ass	essment	Plan				
Click here to enter text.					 At the completion of the course, the student will be able to: Outline the general principle for treating accidental plant/mushroom poisoning. Describe the general principles of preventing plant/mushroom poisoning. Given a suspected plant/mushroom poisoning case, propose a logical course of treatment having based on reputable references. List 5 common marine-source toxins, and their associated symptoms and treatment. Describe 5 common causes of food poisoning, and their symptoms and treatment. 									
Course	e Outline i	ncluding	Time Allo	catior	1				Time Allo	cation				
Click here to enter text.						Course Outline including Time Allocation 1. Introduction (3 hr) 2. General Principles of Plant Taxonomy (2 hr) 3. Toxic Constituents of Plant Foodstuffs (3 hr) 4. Plants with Nicotine, Atropine-like action (1 hr) 5. Lathyrogens and Teratogens (1 hr) 6. Miscellaneous toxic plants of the Midwest and Home (9 hr) 7. Plant Dermatotoxins (1 hr) 8. VIII. Mushroom Morphology, Terminology (1 hr) 9. Mushroom Poisoning (4 hr) 10. Psychoactive plant constituents (1 hr)					hr) (1 hr) t and			

		Effective Fall 2016
	11. Marine shellfish toxins (1 hr)	
	12. Food Poisoning (1 hr) 13. Paper Presentations (2 hr)	
A.	If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:	1
	□ Practicum	
	☐ Independent Study	
В.	College Code: PH	
C.	Department Code: PHAR	
D.	Credit Hours:	
	☐ Variable	
	⊠ Fixed	
Ε.	Minimum Credit Hours: 2	
F.	Maximum Credit Hours: 2	
G.	Hours may be repeated for additional credit:	
	⊠ No	
	☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to en	nter text.
Н.	Levels:	
	☐ Undergraduate	
	☐ Graduate	
	□ Professional	
l.	Grade Method:	
	□ Standard Letter Grading	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
	□ No	
	☑ Yes – If yes, enter equivalent course: PHAR 464: Natural Product Toxins	
	Course Prefix, Number – Course Title	
K.	Term(s) Offered: Fall, Spring	
L.	Max Section Enrollment: 30	
	Lecture:	
	Lab: Click here to enter text.	
	o be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code ☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed. Codes:	
	□ basic skill (bs), □ defleral Education, □ Occupational Education, dell Ed. Codes.	
UC	CC Chair Signature & Date: Academic Affairs Approval Signature & D	oate:
_	OFFICE OF THE REGISTRAR USE ONLY	
	ntered:	
ı Fr	NTPTPN: NLALKNE NLAUELI NLARKEN NLAPKEL)	

PHAR 664 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{\Box}$ Modify, or $oxed{\Box}$ delete

Desired Term Effective Date (6-digit code): 201901

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 664: Medicinal Chemistry Research

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

CURRENT								PROPOSED					
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
							PHAR	664	6		6		
	Click here	to enter t	ext.				Title: N	/ledicinal (Chemistry	/ Researc	h		
Credi	t Hours	Prerequisites			Co-		Credi	t Hours	Prereq	uisites		Co-	
				rec	uisites						red	quisites	
								2					
	e/Catalog		on <i>(125 w</i>	ords)				/Catalog I					
	here to enter text. The student will learn the process for bringing a right drug to market including drug discovery; what is involved in discovering potential drug candidate(sinvestigating structure activity relationships; evaluated results for receptor selectivity; and improving upon existing drugs. The student will learn about proving hypothesis scientifically, synthetically, biologically clinically. Students will gain an appreciation of discovery techniques used in pharmaceutical results and insight into drug candidates in cancer and typically diabetes.								te(s); valuating upon roving a cally and of drug research				
-	Outcome		sessment	Plan				Outcome				a.a. 4la.a.i.u	
Click h	Click here to enter text.						Student(s) will be evaluated by the instructor on their ability to perform daily research activities and tasks in the laboratory related to their research project. They will need to perform various procedures, explain topic and get results from goals set out each week. They will also be evaluated on their final research presentation to the P1 students in a structured lecture format.						
Course	e Outline i	ncluding	Time Allo	cation)		Course	Outline ii	ncluding 1	Γime Allo	cation		
Click h	Click here to enter text.						6 hours Present hour Total of Outline Review researc Drug dis Cancer Drug pr Review Laborat	scovery pro and Diabe	s = 89 hou mester res or course 2: sis policy a ocess tes researd rothesis and proced	rs of bence earch to P and proced ch progres	h rese 1 stud dures i	ents = 1	

	Result analysis
A.	If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
	□ Practicum
	☐ Independent Study
В.	College Code: PH
C.	Department Code: PHAR
D.	Credit Hours:
	☐ Variable
	□ Fixed □
Ε.	Minimum Credit Hours: 2
F.	Maximum Credit Hours: 2
G.	Hours may be repeated for additional credit:
	⊠ No
	☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text.
Н.	Levels:
	☐ Undergraduate
	☐ Graduate
	□ Professional
I.	Grade Method:
	Standard Letter Grading
	☐ Credit/No Credit
J.	Does the proposed course replace an equivalent course?
	□ No
	☑ Yes – If yes, enter equivalent course: PHAR 466: Medicinal Chemistry Research
	Course Prefix, Number – Course Title
K.	Term(s) Offered: Fall, Spring
L.	Max Section Enrollment:
	Lecture:
	Lab: 3
	b be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code
	Basic Skill (BS), General Education, Occupational Education, Gen Ed. Codes:
UС	C Chair Signature & Date: Academic Affairs Approval Signature & Date:
-	Academie Amana Approvar alguatare a pate.
	FFICE OF THE REGISTRAR USE ONLY
	ate Rec'd: Date Completed:
Er	ntered: 🗆 SCACRSE, 🗆 SCADETL, 🗀 SCARRES, 🗀 SCAPREQ

PHAR 665 Course Information Form (formerly Form E and Form F)

I. A	ACTION	TO BE	TAKEN:

\boxtimes	CREATE,		MODIFY	, OR		DELETE
-------------	---------	--	---------------	------	--	--------

Desired Term Effective Date (6-digit code): 201901

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 665: Sel Top Medicinal Chemistry

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		CURR	ENT				PROPOSED							
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar			
						PHAR	665	2	2					
Title: (Click here	to enter t	ext.			Title: 9	Sel Top Me	dicinal Ch	nemistry					
Credi	it Hours	Prereq	uisites	rec	Co- quisites	Cred	it Hours	Prereq	uisites		Co-requisites			
							2							
Course	e/Catalog	Description	on <i>(125 w</i>	ords)		Course	e/Catalog I	Descriptio	n <i>(125 w</i>	ords)				
Click here to enter text.						the disc placed from se Guest	This course will present a number of current topics with a focus on the discipline of medicinal chemistry. There will be an emphasis placed on those that relate to pharmacy practice. Topics may shift from semester-to-semester depending on changes in this discipline. Guest speakers presenting on advances in medicinal chemistry may be used.							
Course	e Outcome	es and Ass	sessment	Plan			Course Outcomes and Assessment Plan							
Click here to enter text.						 Upon completion of this course the student will be able to: Identify important contemporary topics in medicinal chemistry and how they are influencing drug research and development as well as the practice of pharmacy; Describe the role that pharmacophores play in current drug design; Outline some of the recent advances made in medicinal chemistry; and Apply principle of medicinal chemistry-based drug design to drug classifications discussed in class and to other drug classes in general. Assessment: Outcomes will be assessed using examinations, formal presentations as well as daily class participation in discussion. 								
Course	e Outline i	ncluding ¹	Time Allo	catior	1	Course	e Outline ii	ncluding 1	Time Allo	cation				
Click here to enter text.						See be	low							

	Eddise Odtime meldang time Anocation		Course outline including time Allocation	
С	Click here to enter text.		See below	
A.	If not LEC/LAB/SEM, Check box as appropriate [Se	e Definitions in Appendix E]:	
	☐ Practicum			
	☐ Independent Study			
В.	College Code: PH			
C.	Department Code: PHAR			
D.	Credit Hours:			
	☐ Variable			

F.	Minimum Credit Hours: 2	
	Maximum Credit Hours: 2	
G.	Hours may be repeated for additional credit:	
	∑ No	
	☐ Yes – If yes, max times repeated: Click here to enter te	ext. OR max credits awarded: Click here to enter text.
н.	Levels:	
	☐ Undergraduate	
	☐ Graduate	
	□ Professional	
I.	Grade Method:	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
•	□ No	
		n Medicinal Chemistry
		lumber – Course Title
Κ.	Term(s) Offered: Fall, Spring	umber course mae
L.	Max Section Enrollment:	
	Lecture: 30	
	Lab: Click here to enter text.	
	2001 Glick Here to effici texti	
To	o be completed by Academic Affairs Office: Standards & Measu	res Coding and General Education Code
	Basic Skill (BS), 🗆 General Education, 🗆 Occupational Educat	
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
	ntered: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ urse Outline including Time Allocation (topics may change):	
	Library Database Search/Research	2 hours
	Library Database Search/Research Anti-emetics	2 hours
	Library Database Search/Research	
	 Library Database Search/Research Anti-emetics Parkinson's 	2 hours 2 hours
	 Library Database Search/Research Anti-emetics Parkinson's Sunscreen Chemistry U.S. Patents as related to industry Tropical Diseases 	2 hours 2 hours 1 hour 2 hour 2 hours
	 Library Database Search/Research Anti-emetics Parkinson's Sunscreen Chemistry U.S. Patents as related to industry Tropical Diseases Anti-Ageing Creams 	2 hours 2 hours 1 hour 2 hour 1 hour 2 hours 1 hour
	 Library Database Search/Research Anti-emetics Parkinson's Sunscreen Chemistry U.S. Patents as related to industry Tropical Diseases Anti-Ageing Creams Osteoporosis 	2 hours 2 hours 1 hour 2 hours 1 hour 2 hours 1 hour
	 Library Database Search/Research Anti-emetics Parkinson's Sunscreen Chemistry U.S. Patents as related to industry Tropical Diseases Anti-Ageing Creams Osteoporosis Pharmacophore Based Drug Design 	2 hours 2 hours 1 hour 2 hours 1 hour 2 hours 1 hour 2 hours
	 Library Database Search/Research Anti-emetics Parkinson's Sunscreen Chemistry U.S. Patents as related to industry Tropical Diseases Anti-Ageing Creams Osteoporosis Pharmacophore Based Drug Design Nanotechnology 	2 hours 2 hours 1 hour 1 hour 2 hours 1 hour 2 hours 2 hours 2 hours 2 hours
	 Library Database Search/Research Anti-emetics Parkinson's Sunscreen Chemistry U.S. Patents as related to industry Tropical Diseases Anti-Ageing Creams Osteoporosis Pharmacophore Based Drug Design Nanotechnology Peptidomimetics 	2 hours 2 hours 1 hour 1 hour 2 hours 1 hour 2 hours 2 hours 2 hours 2 hours 2 hours
	 Library Database Search/Research Anti-emetics Parkinson's Sunscreen Chemistry U.S. Patents as related to industry Tropical Diseases Anti-Ageing Creams Osteoporosis Pharmacophore Based Drug Design Nanotechnology 	2 hours 2 hours 1 hour 1 hour 2 hours 1 hour 2 hours 2 hours 2 hours 2 hours
	 Library Database Search/Research Anti-emetics Parkinson's Sunscreen Chemistry U.S. Patents as related to industry Tropical Diseases Anti-Ageing Creams Osteoporosis Pharmacophore Based Drug Design Nanotechnology Peptidomimetics Sickle Cell Anemia Parasites Meningitis 	2 hours 2 hours 1 hour 1 hour 2 hours 1 hour 2 hours
	 Library Database Search/Research Anti-emetics Parkinson's Sunscreen Chemistry U.S. Patents as related to industry Tropical Diseases Anti-Ageing Creams Osteoporosis Pharmacophore Based Drug Design Nanotechnology Peptidomimetics Sickle Cell Anemia Parasites Meningitis War Against Microbes "Germ Warfare" 	2 hours 2 hours 1 hour 1 hour 2 hours 1 hour 2 hours 2 hours 2 hours 2 hours 2 hours 1 hour 2 hours 2 hours 2 hours 2 hours 2 hours 2 hours
	 Library Database Search/Research Anti-emetics Parkinson's Sunscreen Chemistry U.S. Patents as related to industry Tropical Diseases Anti-Ageing Creams Osteoporosis Pharmacophore Based Drug Design Nanotechnology Peptidomimetics Sickle Cell Anemia Parasites Meningitis War Against Microbes "Germ Warfare" Obesity 	2 hours 2 hours 1 hour 1 hour 2 hours 1 hour 2 hours 2 hours 2 hours 2 hours 2 hours 1 hour 2 hours 1 hour 1 hour 1 hour
	 Library Database Search/Research Anti-emetics Parkinson's Sunscreen Chemistry U.S. Patents as related to industry Tropical Diseases Anti-Ageing Creams Osteoporosis Pharmacophore Based Drug Design Nanotechnology Peptidomimetics Sickle Cell Anemia Parasites Meningitis War Against Microbes "Germ Warfare" Obesity Ocular Health: Glaucoma & Macular Degeneration 	2 hours 2 hours 1 hour 1 hour 2 hours 1 hour 2 hours 2 hours 2 hours 2 hours 2 hours 1 hour 2 hours 1 hour 1 hour 1 hour
	 Library Database Search/Research Anti-emetics Parkinson's Sunscreen Chemistry U.S. Patents as related to industry Tropical Diseases Anti-Ageing Creams Osteoporosis Pharmacophore Based Drug Design Nanotechnology Peptidomimetics Sickle Cell Anemia Parasites Meningitis War Against Microbes "Germ Warfare" Obesity Ocular Health: Glaucoma & Macular Degeneration Antimalarials 	2 hours 2 hours 1 hour 1 hour 2 hours 1 hour 2 hours 2 hours 2 hours 2 hours 2 hours 1 hour 2 hours 1 hour
	 Library Database Search/Research Anti-emetics Parkinson's Sunscreen Chemistry U.S. Patents as related to industry Tropical Diseases Anti-Ageing Creams Osteoporosis Pharmacophore Based Drug Design Nanotechnology Peptidomimetics Sickle Cell Anemia Parasites Meningitis War Against Microbes "Germ Warfare" Obesity Ocular Health: Glaucoma & Macular Degeneration 	2 hours 2 hours 1 hour 1 hour 2 hours 1 hour 2 hours 2 hours 2 hours 2 hours 2 hours 1 hour 2 hours 1 hour 1 hour 1 hour

PHAR 667 Course Information Form (formerly Form E and Form F)

I.	AC	ΓΙΟΝ	TO B	E TAKE	:N
----	----	------	------	--------	----

\boxtimes	CREATE,		MODIFY	, OR		DELETE
-------------	---------	--	--------	------	--	--------

Desired Term Effective Date (6-digit code): 201901

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 667: Carcinogenesis

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

		CURR	ENT					Р	ROPOSE)	
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar
						PHAR	667	2	2		
Title: (Click here	to enter t	ext.			Title: C	arcinogen	esis			
Credi	t Hours	Prereq	uisites	rec	Co- quisites	Credi	t Hours	Prereq	uisites		Co-requisites
							2				
Course	e/Catalog	Description	on <i>(125 w</i>	ords)			c/Catalog [
	ere to ent		s a sem a nt	Dlan		The course will acquaint the student with the identification of carcinogens and mechanisms for carcinogenesis of selected agents such as chemicals, radiation and infections. The role of environmental factors (lifestyle, diet, social and behavioral practices) in influencing susceptibility to cancer and the genetic differences (germline and somatic mutations, epigenetics, DNA repair) that have been causally implicated in cancer will be discussed.					
			sessment	Plan		1					I. 4
Click n	ere to ent	er text.				By the end of the course, the student should be able to: 1. Identify trends in cancer statistics 2. Discuss the types of genetic changes that are implicated in causing cancer and results of cancer genomic studies 3. Compare and contrast IARC and NTP classification of carcinogens 4. Compare and contrast classes of chemical carcinogens (initiators, promoters) 5. Describe the metabolism of selected classes of carcinogens and identify metabolite(s) responsible for carcinogenic effects 6. Identify mechanisms for DNA changes due to chemicals, radiation biological agents 7. Compare and contrast methods used to identify carcinogens (advantages and disadvantages of each method) 8. Describe environmental factors that influence susceptibility to cancer					
Course	e Outline i	ncluding [*]	Time Allo	cation	1	Course Outline including Time Allocation					
Click h	ere to ent	er text.				See be	low				

Α.	If not LEC/	LAB.	/SEM.	. Check	box a	s appr	opriate	See De	finitions in	Appendix E
----	-------------	------	-------	---------	-------	--------	---------	--------	--------------	------------

☐ Practicum

☐ Independent Study

B. College Code: PH

C. Department Code: PHAR

D. Credit Hours:

Effective	Fall	2016
LITECTIVE	ıanı	2010

	☐ Variable	
E.	Minimum Credit Hours: 2	
F.	Maximum Credit Hours: 2	
G.	Hours may be repeated for additional credit:	
	No No	
	☐ Yes – If yes, max times repeated: Click here to enter tex	tt. OR max credits awarded: Click here to enter text.
Н.	Levels:	
	☐ Undergraduate	
	☐ Graduate	
	□ Professional	
I.	Grade Method:	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
	□ No	
		genesis
		ımber – Course Title
K.	Term(s) Offered: Fall, Spring	
L.	Max Section Enrollment:	
	Lecture: 24	
	Lab: Click here to enter text.	
	Lab: Click here to enter text.	
	Lab: Click here to enter text.	
To	be completed by Academic Affairs Office: Standards & Measure	-
To		-
	be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education	on, Gen Ed. Codes:
	be completed by Academic Affairs Office: Standards & Measure	-
	be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education	on, Gen Ed. Codes:
	be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education	on, Gen Ed. Codes:
UC	be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education	on, Gen Ed. Codes:
UC	be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, General Education Central Chair Signature & Date:	on, Gen Ed. Codes:
UCO	be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education Chair Signature & Date:	on, Gen Ed. Codes:
UCO	be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education C Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY ate Rec'd: ☐ Date Completed: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ	Academic Affairs Approval Signature & Date:
UCO	be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education C Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY ate Rec'd: Date Completed: SCACRSE, SCADETL, SCARRES, SCAPREQ Topic	on, Gen Ed. Codes:
UCO	be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education C Chair Signature & Date: FFICE OF THE REGISTRAR USE ONLY ate Rec'd: Date Completed: Detered: Description Topic Introduction Cancer statistics	Academic Affairs Approval Signature & Date: Time Allocation 1 2
UCO	be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education C Chair Signature & Date: FFICE OF THE REGISTRAR USE ONLY attered: Date Completed: SCACRSE, SCADETL, SCARRES, SCAPREQ Topic Introduction Cancer statistics Genetic changes- germline and somatic mutations	Academic Affairs Approval Signature & Date: Time Allocation 1 2 2 2
UCO	be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education C Chair Signature & Date: FFICE OF THE REGISTRAR USE ONLY Intered: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ Topic Introduction Cancer statistics Genetic changes- germline and somatic mutations Genetic influence on metabolism, DNA repair	Academic Affairs Approval Signature & Date: Time Allocation 1 2 2 1
UCO	De completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education C Chair Signature & Date: FFICE OF THE REGISTRAR USE ONLY Intered: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ Topic Introduction Cancer statistics Genetic changes- germline and somatic mutations Genetic influence on metabolism, DNA repair Presentations on specific mutations/cancer caused	Academic Affairs Approval Signature & Date: Time Allocation 1 2 2 2
UCO	Topic Introduction Cancer statistics Genetic changes- germline and somatic mutations Genetic influence on metabolism, DNA repair Presentations on specific mutations/cancer caused Selected carcinogens, metabolism, DNA effects Methods for identification of carcinogens- short term tests, and	Academic Affairs Approval Signature & Date: Time Allocation 1 2 2 1 3 4
UCO	Topic Introduction Cancer statistics Genetic changes- germline and somatic mutations Genetic influence on metabolism, DNA repair Presentations of carcinogens- short term tests, ar testing, epidemiology	Academic Affairs Approval Signature & Date: Time Allocation 1 2 2 2 1 1 3 4 nimal 3
UCO	Topic Introduction Cancer statistics Genetic changes- germline and somatic mutations Genetic influence on metabolism, DNA repair Presentations on specific mutations/cancer caused Selected carcinogens, metabolism, DNA effects Methods for identification of carcinogens- short term tests, ar testing, epidemiology Risk assessment (exposure to hazard) Environmental factors- lifestyle, diet, social and behavioral	Academic Affairs Approval Signature & Date: Time Allocation 1 2 2 1 3 4
UCO	Topic Introduction Cancer statistics Genetic changes- germline and somatic mutations Genetic influence on metabolism, DNA repair Presentations on specific mutations/cancer caused Selected carcinogens, metabolism, DNA effects Methods for identification of carcinogens- short term tests, ar testing, epidemiology Risk assessment (exposure to hazard) Environmental factors- lifestyle, diet, social and behavioral practices (tobacco, alcohol)	Academic Affairs Approval Signature & Date: Time Allocation 1 2 2 1 1 3 4 nimal 3
UCO	Topic Introduction Cancer statistics Genetic changes- germline and somatic mutations Genetic influence on metabolism, DNA repair Presentations on specific mutations/cancer caused Selected carcinogens, metabolism, DNA effects Methods for identification of carcinogens- short term tests, ar testing, epidemiology Risk assessment (exposure to hazard) Environmental factors- lifestyle, diet, social and behavioral	Academic Affairs Approval Signature & Date: Time Allocation 1 2 2 2 1 3 4 nimal 3

PHAR 668 Course Information Form (formerly Form E and Form F)

I.	ACT	ION	TO	BE	TA	KEN:
----	------------	-----	----	----	----	------

\boxtimes	CREATE,		MODIFY	, OR		DELETE
-------------	---------	--	---------------	------	--	--------

Desired Term Effective Date (6-digit code): 201901

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 668: Pharmacy and Geriatric Health

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		CURR	ENT				PROPOSED							
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar		
							PHAR	668	2	2				
Title: (Click here	to enter t	ext.				Title: P	harmacy a	and Geria	tric Healt	h			
Credi	t Hours	Prereq	uisites		Co-		Credi	t Hours	Prereq	uisites		Co-requisites		
				rec	uisites	_		2						
Carre	·/Cotolog	Dagariati	nn /435	/ - \			Carrage	<u>/Catalaa l</u>	Dogovinskia	·	/ - \			
	e/Catalog	•	on (125 W	oras)				/Catalog I						
Click h	ere to ent	er text.					patients observations patients to discus skill set	' unique hea tion, reading in clinical se ss material v	althcare nee g assignmer ettings. Vari with which t	eds by exposits, video, a ous experts hey are mo	sing the s well a s from t est fami	r understanding geriatric em to lecture, discussion, as one-on-one interaction with the geriatric field will be invited iliar. Students will develop a basic g the health care needs of		
Course	e Outcome	es and Ass	sessment	Plan				Outcome	s and Δss	essment	Plan			
	ere to ent						1. Devel needs. 2. Descr care needs. 3. Expos to approphysicia team ap 4. Devel complet AIMS/DI 5. Introc 6. Expos routinels 7. Descr geriatric 8. Introc for geria 9. Introc monitor 10. Disco which ar	ibe the phareds of geriated the future opticately intense, psychiated proach. Open and deming medical SCUS testing fuce the studies the studies of the studi	d understand macist' role ric patients. In pharmacist eract with our rists, dieticistons where me is se. In the fact to key nents in the patho-ph geriatric pare role in patho-ph geriatric pare ric patients.	tin helping to medical ther health ans, social w propriate ir (such as M -traditional patient-cer mes. edical and s tment guid governmen long-term ysiologic an tients	to mee I situat care p workers nteract IMSE, C areas ntered ocial ef elines at-mane care er nd basio	care, where pharmacists thical dilemmas in treating which are designed specifically dated, medically-related		

			Effective Fall 201							
Co	urse Outline including Time Allocation		Course Outline including Time Allocation							
Clid	ck here to enter text.		Classroom lecture and discussion of subject matter (24 hours)							
			Reflection and evaluation discussions (4 hours)							
		ᆚ	Examination (2 hours)							
	If not LEC/LAB/SEM, Check box as appropriate [S	iee	e Definitions in Appendix EJ:							
	☐ Practicum —									
	☐ Independent Study									
	College Code: PH									
	Department Code: PHAR									
	Credit Hours:									
	□ Variable									
	⊠ Fixed									
E.	Minimum Credit Hours: 2									
	Maximum Credit Hours: 2									
G.	Hours may be repeated for additional credit:									
	⊠ No									
	\square Yes – If yes, max times repeated: Click here to	э е	enter text. OR max credits awarded: Click here to enter text.							
H.	Levels:									
	□ Undergraduate									
	☐ Graduate									
l.	Grade Method:									
	☑ Standard Letter Grading									
	☐ Credit/No Credit									
J.	Does the proposed course replace an equivalent	[C	ourse?							
	□ No									
	oxtimes Yes – If yes, enter equivalent course: PHAR 47	'O:	Pharmacy and Geriatric Health							
	Cours	e I	Prefix, Number – Course Title							
Κ.	Term(s) Offered: Fall, Spring									
L.	Max Section Enrollment:									
	Lecture: 30									
	Lab: Click here to enter text.									
То	be completed by Academic Affairs Office: Standards	&	Measures Coding and General Education Code							
	Basic Skill (BS), \square General Education, \square Occupation	ıal	Education, Gen Ed. Codes:							
UCC	Chair Signature & Date:		Academic Affairs Approval Signature & Date:							
OF	FICE OF THE REGISTRAR USE ONLY									
Dat	e Rec'd: Date Completed:									
Ent	ered: □SCACRSE, □SCADETL, □SCARRES, □SCAPR	₹E(Q							

PHAR 669 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{oxed}$ Modify, or $oxed{oxed}$ delete

Desired Term Effective Date (6-digit code): 201901

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 669: Toxicology

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		CURRI	ENT				PROPOSED						
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
							PHAR	669	2	2			
Title: (Click here	to enter 1	text.				Title: Toxic	ology					
Credi	Credit Hours Prerequisites Co- requisites						Credit I	Hours	Prereq	uisites		Co-requisites	
							2						
Course	e/Catalog	Descripti	on <i>(125</i> w	ords)			Course/Cat	alog Desc	ription (1	25 words)			
Click here to enter text.							This course focuses on the adverse effects in patients caused by excessive exposure from environmental or medicinal substances. Accidental and intentional poisoning medication overdosing, and excessive environmental exposures will be discussed. An introduction into the legal aspects and analytical techniques involved in criminal investigations and lawsuits will be included.						
Course	Outcom	es and As	sessment	t Plan			Course Outcomes and Assessment Plan 1. Predict the mechanisms of organ damage due to specific toxins.						
CHCK	ere to en	ter text.					2. Identify the therapeutic a 3. Identify the involved in to 4. Use appropriate methods 5. Describe the chemical age: 6. Match antitoxic agents. 7. Describe the centers. 8. Given paties or chronic po	e signs and sigents. e chemical and exicologic every criate termin of forensic time pharmacismts for terror dotes with come functions ent specific in isonings.	ymptoms as and pharmacents. Hology and soxicology_sts role in prism. Holomomer and responsion,	ssociated was cologic class select analy reventative ute poisonic sibilities of select opti	vith tox sification vitical to e measu ngs and pharm imal the	icity of commonly used ons of agents commonly exicologic techniques to aid in ures involving the use of I unintentional ingestions of acists in poison control erapy in situations of acute group exercises conducted	
Course	e Outline	including	Time Allo	catio	n		Course Outline including Time Allocation						
Click h	ere to en	ter text.					See below	-			•	-	

Cl	ick here to enter text.		See below
A.	If not LEC/LAB/SEM, Check box as appropriate	[Se	ee Definitions in Appendix E]:
	☐ Practicum		
	☐ Independent Study		
В.	College Code: PH		
C.	Department Code: PHAR		
D.	Credit Hours:		
	☐ Variable		
	⊠ Fixed		

Effective Fall 2016

E.	Minimum Credit Hours: 2	
F.	Maximum Credit Hours: 2	
	Hours may be repeated for additional credit:	
О.	⊠ No	
	☐ Yes – If yes, max times repeated: Click here to enter tex	t. OR max credits awarded: Click here to enter text.
Н.	Levels:	en en max en euro a maradar en
	☐ Undergraduate	
	☐ Graduate	
	□ Professional	
I.	Grade Method:	
••		
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
J.	□ No	
		0.504
	✓ Yes – If yes, enter equivalent course: PHAR 476: Toxicolo	ogy Imber – Course Title
K	Term(s) Offered: Fall, Spring	inber – Course Title
L.	Max Section Enrollment:	
L.	Lecture: 30	
	Lab: Click here to enter text.	
T.	b be completed by Academic Affairs Office: Standards & Measure	es Coding and General Education Code
	Basic Skill (BS), \square General Education, \square Occupational Education	-
	, , , = , =	
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
	· ·	
	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd:Date Completed:	
	ntered: SCACRSE, SCADETL, SCARRES, SCAPREQ Intent Outline:	
_	pic (hours)	
	neral Principles of Toxicology (Dose-response, toxicokinetics)	(3 hours)
	sorption, distribution, metabolism and elimination of Toxicants nical presentation of target organ damage	(2 hours) (1 hours)
	transformation of Xenobiotics	(1 hours)
	cicologic informational systems (ie Poisondex, TOMES)	(1 hour)
	atment of acute poisonings (ie emesis, gastric lavage)	(2 hours)
	nical Toxicology (common specific pharmaceutical agents) ntentional drug poisoning deaths	(2 hours) (1 hour)
	armaceutical waste in the drinking water and the environment	(1 hour)
Tox	kicogenomics	(1 hour)
	sticides/Insecticides	(2 hour)
	avy Metals mal toxicity/venoms	(1 hour) (1 hour)
	ric plants, fungi	(1 hour)
Foo	od toxicology	(1 hour)
	ntaminated Dietary supplements	(1 hour)
	rorist Chemical agents and syndromes cicologic references in the media and entertainment	(1 hour) (1 hour)
	ensic Toxicology	(2 hours)
Stu	dent Toxicologic Presentations	(2 hours)
Exa	ams	(2 hours) (30 hours)
TO	ΤΛΙ	

PHAR 671 Course Information Form (formerly Form E and Form F)

	,	
ı.	. ACTION TO BE TAKEN:	
	$oxed{oxed}$ CREATE, $oxed{\Box}$ MODIFY, OR $oxed{\Box}$ DELETE	
	Desired Term Effective Date (6-digit code): 201901	
	NOTE: The first four digits indicate year, the next two digits indicate month in which term begin	ns.

II.COURSE IDENTIFICATION: PHAR 671: Pharmacoepidemiology

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

CURRENT						PROPOSED						
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar
							PHAR	671	2	2		
Title: (Click here	to enter t	ext.				Title: Pharmacoepidemiology					
Credi	t Hours	Prereq	Prerequisites Co-		Co-		Credi	Credit Hours Prerequisites			Co-	
		req		requisites						requisites		
						2						
Course	e/Catalog	Description	on <i>(125 w</i>	ords)			Course/Catalog Description (125 words)					
Click here to enter text.						non-experimental studies to assess drug safety and efficacy in the absence of specific evidence from experimental studies; provides an introduction to pharmacoepidemiologic methods, databases and examples of use in current research; and examines the use of pharmacoepidemiology in drug development and approval. This course will also examine the role of pharmacoepidemiology in public policy; and the pitfalls and limitations of these types of study designs.						
Course Outcomes and Assessment Plan						Course Outcomes and Assessment Plan						
Click here to enter text.						See below						
Course Outline including Time Allocation						Course Outline including Time Allocation						
Click h	Click here to enter text.						See below					

Course Outline including Time Allocation			Course Outline including Time Allocation	
Click here to enter text.			See below	
A.	If not LEC/LAB/SEM, Check box as appropriate	[Se	e Definitions in Appendix E]:	_
	☐ Practicum			
	☐ Independent Study			
В.	College Code: PH			
C.	Department Code: PHAR			
D.	Credit Hours:			
	☐ Variable			
	⊠ Fixed			
E.	Minimum Credit Hours: 2			
F.	Maximum Credit Hours: 2			
G.	Hours may be repeated for additional credit:			
	⊠ No			
	☐ Yes – If yes, max times repeated: Click here t	to	enter text. OR max credits awarded: Click here to en	nter text

Н.	H. Levels:	
	☐ Undergraduate	
	☐ Graduate	
	☑ Professional	
l.	I. Grade Method:	
	☐ Credit/No Credit	
J.	J. Does the proposed course replace an equivalent course?	
	□ No	
	☑ Yes – If yes, enter equivalent course: PHAR 474: Pharmacoepid	emiology
	Course Prefix, Number –	Course Title
K.	K. Term(s) Offered: Fall, Spring	
L.	L. Max Section Enrollment:	
	Lecture: 24	
	Lab: Click here to enter text.	
	To be completed by Academic Affairs Office: Standards & Measures Codin	
	☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen	Ed. Codes:
110	UCC Chair Signature & Date: Acad	emic Affairs Approval Signature & Date:
UC	OCC Chair Signature & Date. Acau	eniic Arian's Approvai Signature & Date.
		
0	OFFICE OF THE REGISTRAR USE ONLY	
D	Date Rec'd: Date Completed:	
Er	Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

Course Outcomes:

- 1. Explain the U.S. drug development and approval process what are its strengths and limitations. Describe the specific features of chronic disease epidemiology; understand the relationship between disease incidence and prevalence and the different measurements for each.
- 2. Explain why Mortality measures are of such great interest in epidemiology; be able to recognize, interpret and calculate the most commonly used mortality measures
- 3. Identify observational methods used to establish statistical association between mortality or disease and exposure. Explain the difference between Risk Ratio and Odds Ratio. Know the uses and be able to calculate Absolute Risk Reduction, Relative Risk Reduction, Number Needed to Treat, and Number Needed to Harm.
- 4. Identify the general purposes of research and principles of study design. Distinguish between experimental, quasi-experimental, and observational approaches to pharmacoepidemiologic research. Describe various observational study designs used in pharmacoepidemiology and the relative advantages/disadvantages of each. Describe the role of meta-analysis in pharmacoepidemiology.
- 5. Describe the various sources of pharmacoepidemiologic data, the various coding schemes used for drugs, procedures and diagnosis. Describe the methods used for measuring exposure and outcomes when using secondary data.
- 6. Explain what a variable is and differentiate between an independent variable and a dependent variable. Describe different approaches to classifying and summarizing data. Utilize key concepts related to hypothesis testing to arrive at statistical decisions and describe the relationship between hypothesis testing and confidence interval estimation.
- 7. Discuss various statistical tests that can be used to describe the significance of group differences and appreciate the factors that are important in choosing an appropriate test. Describe how linear regression, logistic regression, and survival analysis are used in pharmacoepidemiology.
- 8. Differentiate the concepts of confounding, mediation, and effect modification (interaction). Appreciate the issues involved in estimating the sample size required for a pharmacoepidemiologic study.
- 9. Identify the nature of causation and association in pharmacoepidemiology studies. Describe the key criteria to determine causation. Identify the main types and sources of bias in pharmacoepidemiology studies.
- 10. Understand the importance of critically evaluating the pharmacoepidemiology literature and the key topics of pharmacoepidemiologic literature
- 11. Discuss the concept of suboptimal medication utilization; compare and contrast compliance, concordance, and persistence; discuss the advantages and disadvantages associated with the different methods of measuring medication utilization; calculate adherence/persistence from

information contained in administrative claims data; recognize the elements that define a quality adherence and persistence study using administrative data.

12. Describe the major terms used in drug safety evaluation; describe two methods for categorizing adverse drug events; identify major amendments to the Food, Drug and Cosmetic Act that address drug efficacy and safety; describe the ways that drug safety problems are identified pre- and post- market approval.

Assessment: Objectives will be assessed using examination.

Course Outline PHAR 671:

Торіс	Associated Outcomes	Hours
Introduction to Pharmacoepidemiology	1	2
Principles of Epidemiology Applied to the Study of Medication Use: Incidence and Prevalence	1, 2	1
Principles of Epidemiology Applied to the Study of Medication Use: Specific features of chronic disease epidemiology – prevalence and incidence	2, 3	1
Principles of Epidemiology Applied to the Study of Medication Use: Mortality measures	2, 3	2
Principles of Epidemiology Applied to the Study of Medication Use: Rates, ratios, and proportions [Risk ratio, odds ratio, relative risk reduction, absolute risk reduction, number needed to treat (NNT), number needed to harm (NNH)].	4, 5,6	2
Pharmacoepidemiology Study Designs – Understanding the purpose of research and the principles of study design; Differences between Experimental, Quasi-Experimental and Observational study designs.	3,4	2
Observational Study Designs: Case Reports and Case Series; Ecologic Studies; Cross-Sectional Studies; Case-Control Studies; Cohort Studies; Nested Case-Control Studies; Case-Crossover Studies; Meta-Analysis	3, 4	2
The use of secondary data in Pharmacoepidemiology	5	2
Biostatistics and Pharmacoepidemiology: Independent and dependent variables; summarizing data, point and interval estimation, hypothesis testing	6	2
Biostatistics and Pharmacoepidemiology: Statistical tests; linear regression, logistic regression; survival analysis	7	2
Biostatistics and Pharmacoepidemiology: Confounding, mediation, and effect modification	7,8,9	2
Methodological Issues encountered in Pharmacoepidemiologic studies: Nature of causation and association in pharmacoepidemiology studies; criteria for determining causation; bias in pharmacoepidemiology	7,8,9	2
Methodological Issues encountered in Pharmacoepidemiologic studies: Confounding; adjusting for confounding and bias; risk adjustment	8	2
Evaluation of the pharmacoepidemiology literature	10	2
Medication Utilization Patterns	11	2
Medication Safety and Pharmacovigilance	12	2
Total Hours (not including final exam)		30

PHAR 672 Course Information Form (formerly Form E and Form F)

. ACTION TO BE TAKEN:	
$oxed{oxed}$ Create, $oxed{\Box}$ Modify, or $oxed{\Box}$ delete	
Desired Tarre Officetive Date (C. disit and a), 201001	
Desired Term Effective Date (6-digit code): 201901	
NOTE: The first four digits indicate year, the next two digits indicate month	n in which term begins.

II.COURSE IDENTIFICATION: PHAR 672: Advanced Compounding

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

CURRENT						PROPOSED						
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
						PHAR	672	3	1	2		
Title: 0	Title: Click here to enter text.					Title: A	dvanced (Compoun	ding			
Credi	t Hours	Prereq	uisites	red	Co- quisites	Credi	Credit Hours Prerequis				Co-requisites	
							2					
Course	e/Catalog	Description	on <i>(125 w</i>	ords)			Catalog [•				
Click here to enter text.					The art and science of compounding pharmaceutical preparations at an advanced level will be discussed. Students will build on their compounding experience in PHAR 385 and 386 to develop an advanced understanding of formulation, stability and quality of compounded pharmaceuticals and the role a pharmacist plays in the specialized practice of compounding pharmacy. Advanced compounding methods will be used to make pharmaceutical dosage forms and develop formulations as they would in the practice of compounding pharmacy.							
Course	Outcome	es and Ass	sessment	Plan		Course Outcomes and Assessment Plan						
Click here to enter text.					 Determine the proper compounded dosage form for a given patient/disease state. Determine appropriate compounding method for a given formulation. Determine proper formulation for a given dosage form. Compound high quality dosage forms. Counsel patients on the use of compounded dosage forms. Evaluate the quality of a given compounded pharmaceutical dosage form. Assessment: Written exams, presentations and evaluation of compounded dosage forms. 							
Course	Outline i	ncluding	Time Allo	cation	1	Course	Outline ir	ncluding 1	ime Allo	cation		
Click h	ere to ent	ter text.				See be	low					

CI	ick here to enter text.		See below
A.	If not LEC/LAB/SEM, Check box as appropriate	[Se	e Definitions in Appendix E)
	☐ Practicum		
	☐ Independent Study		
В.	College Code: PH		
C.	Department Code: PHAR		
D.	Credit Hours:		
	☐ Variable		
	⊠ Fixed		
E.	Minimum Credit Hours: 2		

F.	F. Maximum Credit Hours: 2	
G.	G. Hours may be repeated for additional credit:	
	⊠ No	
	\square Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click he	re to enter text.
Η.	H. Levels:	
	☐ Undergraduate	
	☐ Graduate	
	□ Professional	
۱.	I. Grade Method:	
	☐ Credit/No Credit	
J.	I. Does the proposed course replace an equivalent course?	
	□ No	
	☑ Yes – If yes, enter equivalent course: PHAR 475: Advanced Compounding	
	Course Prefix, Number – Course Title	
K.	K. Term(s) Offered: Fall, Spring	
L.	L. Max Section Enrollment:	
	Lecture: 12	
	Lab: Click here to enter text.	
	To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code	
	☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed. Codes:	
	UCC Chair Signature & Date: Academic Affairs Approval Signat	uro 9 Datos
UC	occ chair Signature & Date. Academic Arians Approvar Signat	ure & Date.
		
0	OFFICE OF THE REGISTRAR USE ONLY	
	Date Rec'd: Date Completed:	
Eı	Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

Course Outline including Time Allocation:

Title	Lecture (hrs)	Lab (hrs)
Governmental Regulations and Guidelines for Compounding	1	
Facilities and Record Keeping	1	
Stability of Compounded Preparations	1	2
Quality Control of Compounded Preparations	1	2
Compounded Oral Dosage Forms	4	8
Compounded Rectal and Vaginal Dosage Forms	1	2
Compounded Topical/Percutaneous Dosage Forms	2	8
Specialty Compounding	4	8
Total	15	30

PHAR 750 Course Information Form (formerly Form E and Form F)

I. ACTION	TO BE	TAKEN:
-----------	-------	--------

\boxtimes	CREATE,		MODIFY, OF	≀ □	DELETE
-------------	---------	--	------------	-----	--------

Desired Term Effective Date (6-digit code): 202001

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 750: Managed Care Pharmacy Pract

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		CURR	ENT			PROPOSED						
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
						PHAR	750	2	2			
Title: (Click here	to enter t	ext.			Title: N	Managed (Care Phar	macy Pra	ct		
Credi	t Hours	Prereq	uisites		Co-	Credi	t Hours	Prerec	uisites		Co-requisites	
				red	quisites							
							2					
	e/Catalog		on <i>(125 w</i>	ords)			c/Catalog					
	ere to en					pharma health o consum include	This course is designed to provide an introduction to managed care pharmacy and a basic understanding of the impact it has on the U.S. health care system. The course will present material in both the consumer and health care professional perspective. The course includes lectures, guest speakers, group discussions and presentations.					
Course	e Outcom	es and Ass	sessment	Plan		Course Outcomes and Assessment Plan						
Click here to enter text.					Upon the completion of this course, students will be able to: 1. Describe the process of formulary management including drug benefit design 2. Identify the role pharmaceutical industries play within the managed care industry 3. State methods managed care companies use to try to control health care costs 4. Discuss methods used by the managed care industry to influence prescribing habits 5. Discuss the complexities, beneficial aspects and inadequacies of the US health care system 6. Describe the involvement pharmacists have in the managed care industry Assessment: Students will be assessed using traditional examinations,							
Course	e Outline i	including i	Time Allo	catior	າ		presentations, assignments and in-class debates. Course Outline including Time Allocation					
	ere to en					See be		6				

			industry
			Assessment: Students will be assessed usin presentations, assignments and in-class deba
C	ourse Outline including Time Allocation		Course Outline including Time Allocation
С	lick here to enter text.		See below
A.	If not LEC/LAB/SEM, Check box as appropriate [Se	e Definitions in Appendix E]:
	☐ Practicum		
	☐ Independent Study		
В.	College Code: PH		
C.	Department Code: PHAR		
D.	Credit Hours:		
	☐ Variable		

_	⊠ Fixed	
E.	Minimum Credit Hours: 2	
F.	Maximum Credit Hours: 2	
G.	Hours may be repeated for additional credit:	
	⊠ No	
	☐ Yes – If yes, max times repeated: Click here to enter text	c. OR max credits awarded: Click here to enter text.
Н.	Levels:	
	☐ Undergraduate	
	☐ Graduate	
	□ Professional	
I.	Grade Method:	
	Standard Letter Grading	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
J.	□ No	
		d Care Pharmacy Pract
	-	mber – Course Title
K.		TIBEL COURSE THE
L.	Max Section Enrollment:	
	Lecture: 30	
	Lab: Click here to enter text.	
To	o be completed by Academic Affairs Office: Standards & Measure	s Coding and General Education Code
	\square Basic Skill (BS), \square General Education, \square Occupational Educatio	n, Gen Ed. Codes:
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
_		
	OFFICE OF THE REGISTRAR USE ONLY	
D	Pate Rec'd: Date Completed:	
D		
D	Date Rec'd: Date Completed: Intered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ	
D	Pate Rec'd: Date Completed:	Time Allocation
D	Date Rec'd: Date Completed: Intered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ Topic 1. Course Introduction / Expectations	2
D	Date Rec'd: Date Completed: Intered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ Topic 1. Course Introduction / Expectations 2. Overview of Managed Care / Managed Care Terminology	2 2
D	Date Rec'd: Date Completed: Intered: □SCACRSE, □SCADETL, □SCARRES, □SCAPREQ Topic 1. Course Introduction / Expectations 2. Overview of Managed Care / Managed Care Terminology 3. Understanding Medicare 4. Pharmacy and Therapeutics Committee / Formulary Managen	2 2 2 2
D	Topic 1. Course Introduction / Expectations 2. Overview of Managed Care / Managed Care Terminology 3. Understanding Medicare 4. Pharmacy and Therapeutics Committee / Formulary Managen 5. Pharmaceutical Industries Role in Managed Care	2 2 2 2 nent 2 2
D	Topic 1. Course Introduction / Expectations 2. Overview of Managed Care / Managed Care Terminology 3. Understanding Medicare 4. Pharmacy and Therapeutics Committee / Formulary Managen 5. Pharmaceutical Industries Role in Managed Care 6. Methods to Improve Patient Compliance	2 2 2 2 nent 2 2 2
D	Topic 1. Course Introduction / Expectations 2. Overview of Managed Care / Managed Care Terminology 3. Understanding Medicare 4. Pharmacy and Therapeutics Committee / Formulary Managen 5. Pharmaceutical Industries Role in Managed Care 6. Methods to Improve Patient Compliance 7. Pharmacoeconomics / Outcomes Research 8. Pharmacy Benefit Designs / Quality Assessment/Assurance	2 2 2 2 nent 2 2 2 2 2
D	Topic 1. Course Introduction / Expectations 2. Overview of Managed Care / Managed Care Terminology 3. Understanding Medicare 4. Pharmacy and Therapeutics Committee / Formulary Managen 5. Pharmaceutical Industries Role in Managed Care 6. Methods to Improve Patient Compliance 7. Pharmacoeconomics / Outcomes Research 8. Pharmacy Benefit Designs / Quality Assessment/Assurance 9. Patient Centered Medical Home	2 2 2 2 2 2 2 2 2 2 2
D	Topic 1. Course Introduction / Expectations 2. Overview of Managed Care / Managed Care Terminology 3. Understanding Medicare 4. Pharmacy and Therapeutics Committee / Formulary Managen 5. Pharmaceutical Industries Role in Managed Care 6. Methods to Improve Patient Compliance 7. Pharmacoeconomics / Outcomes Research 8. Pharmacy Benefit Designs / Quality Assessment/Assurance 9. Patient Centered Medical Home 10. MTMS: Communicating Recommendations to Patients and Pr	nent 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
D	Topic 1. Course Introduction / Expectations 2. Overview of Managed Care / Managed Care Terminology 3. Understanding Medicare 4. Pharmacy and Therapeutics Committee / Formulary Managen 5. Pharmaceutical Industries Role in Managed Care 6. Methods to Improve Patient Compliance 7. Pharmacoeconomics / Outcomes Research 8. Pharmacy Benefit Designs / Quality Assessment/Assurance 9. Patient Centered Medical Home 10. MTMS: Communicating Recommendations to Patients and Pr 11. Clinical Debates / Presentations 12. Clinical Debates / Presentations	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
D	Topic 1. Course Introduction / Expectations 2. Overview of Managed Care / Managed Care Terminology 3. Understanding Medicare 4. Pharmacy and Therapeutics Committee / Formulary Managen 5. Pharmaceutical Industries Role in Managed Care 6. Methods to Improve Patient Compliance 7. Pharmacoeconomics / Outcomes Research 8. Pharmacy Benefit Designs / Quality Assessment/Assurance 9. Patient Centered Medical Home 10. MTMS: Communicating Recommendations to Patients and Pr 11. Clinical Debates / Presentations 12. Clinical Debates / Presentations 13. Clinical Debates / Presentations	nent 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
D	Topic 1. Course Introduction / Expectations 2. Overview of Managed Care / Managed Care Terminology 3. Understanding Medicare 4. Pharmacy and Therapeutics Committee / Formulary Managen 5. Pharmaceutical Industries Role in Managed Care 6. Methods to Improve Patient Compliance 7. Pharmacoeconomics / Outcomes Research 8. Pharmacy Benefit Designs / Quality Assessment/Assurance 9. Patient Centered Medical Home 10. MTMS: Communicating Recommendations to Patients and Pr 11. Clinical Debates / Presentations 12. Clinical Debates / Presentations	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

278

PHAR 751 Course Information Form (formerly Form E and Form F)

I. ACTION	TO BE	TAKEN:
-----------	-------	--------

\boxtimes	CREATE	, 🗆	MODIFY,	OR		DELETE
-------------	--------	-----	---------	----	--	--------

Desired Term Effective Date (6-digit code): 202001

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 751: Adv Topics in Infect Diseases

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		CURR	ENT						PROPOSE	D	
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar
						PHAR	751	2	2		
Title: (Click here	to enter t	ext.			Title: A	dv Topics	in Infect	Diseases		
Credi	it Hours	Prereq	uisites	red	Co- quisites	Credi	t Hours	Prereq	uisites		Co-requisites
							2				
Course	e/Catalog	Description	on <i>(125 w</i>	ords)			/Catalog I				
Click here to enter text.					Topics In addit expose infected	covered go ion to revie d to conten I patient in	beyond the wing specing porary stranger warious pra	ose cover fic disease ategies for actice setti	ed in F e entition the m ngs.	s in Infectious Diseases. Pharmacotherapeutics. es, students will be lanagement of the	
Course	e Outcom	es and As	sessment	Plan		Course Outcomes and Assessment Plan					
Click here to enter text.					 Following the successful completion of this course, the student will be able to: Analyze the controversies/dilemmas associated with the diagnosis and management of various infectious diseases. Create a pharmaceutical care plan which includes recommendations for monitoring and evaluating efficacy and toxicity of drug regimens used in the management of various infectious syndromes. Discuss the epidemiology of infectious diseases. 						
Course	o Outline	- عنامیاه م	Time o Alla	ootic.		reviews compet	ts will be as s, in class p ency of phy	resentatior /sical asse	ns, S.O.A.I ssment sk	P note:	raminations, case s, and demonstration of
	e Outline i		rime Allo	cation	1	-	Outline in	nciuaing	ime Allo	cation	<u> </u>
CIICK	ere to en	ter text.				See be	IOW				

Α.	If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
	☐ Practicum
	☐ Independent Study
В.	College Code: PH
C.	Department Code: PHAR
D.	Credit Hours:
	☐ Variable
	⊠ Fixed
E.	Minimum Credit Hours: 2

F.	Maximu	m Credit Hours: 2	
G.	Hours m	ay be repeated for additional credit:	
	\boxtimes No		
	□ Yes –	If ves. max times repeated: Click here to enter t	ext. OR max credits awarded: Click here to enter text.
Н	Levels:	, ,	
		rgraduate	
	☐ Grad		
	⊠ Profe	ssional	
l.	Grade M	lethod:	
	Stand Stand	lard Letter Grading	
	☐ Credi	t/No Credit	
J.	Does the	e proposed course replace an equivalent course	
	□ No		
		If yes, enter equivalent course: PHAR 552: Adv T	anics in Infact Dispases
	△ 1es –		Number – Course Title
ν	Torm(s)	Offered: Fall, Spring	Number – Course Title
L.		tion Enrollment:	
	Lecture:		
	Lab: Clic	k here to enter text.	
	_	leted by Academic Affairs Office: Standards & Meas	
<u> </u>	Dasic Skii	II (BS), ☐ General Education, ☐ Occupational Educa	tion, Gen Ed. Codes:
	C Cha: « C:	anatura (Data)	Academia Affaira Angres al Cianatura & Data
UC	C Chair Si	gnature & Date:	Academic Affairs Approval Signature & Date:
_			
		HE REGISTRAR USE ONLY	
		Date Completed:	
Ŀ	iterea: 🗀 .	SCACRSE, □SCADETL, □SCARRES, □SCAPREQ	
Со	urse Outli	ne:	
		Topic	Time Allocation (hours)
		Topic	Time Allocation (hours)
	1.	Host Defenses and special populations	2
	2.	Host Defenses and special populations Pediatric infectious diseases	2 2
	2. 3.	Host Defenses and special populations	2 2 2 2
	2.	Host Defenses and special populations Pediatric infectious diseases Infections caused by toxin-producing microbes	2 2
	2. 3. 4.	Host Defenses and special populations Pediatric infectious diseases Infections caused by toxin-producing microbes Food and water-borne infections	2 2 2 2 2
	2. 3. 4. 5. 6. 7.	Host Defenses and special populations Pediatric infectious diseases Infections caused by toxin-producing microbes Food and water-borne infections Bioterrorism	2 2 2 2 2 2
	2. 3. 4. 5. 6. 7.	Host Defenses and special populations Pediatric infectious diseases Infections caused by toxin-producing microbes Food and water-borne infections Bioterrorism Endemic mycoses Travel medicine Medical imaging in infectious diseases	2 2 2 2 2 2 2 2 2 2
	2. 3. 4. 5. 6. 7. 8. 9.	Host Defenses and special populations Pediatric infectious diseases Infections caused by toxin-producing microbes Food and water-borne infections Bioterrorism Endemic mycoses Travel medicine Medical imaging in infectious diseases ID practice in community pharmacy	2 2 2 2 2 2 2 2 2 2 2
	2. 3. 4. 5. 6. 7. 8. 9.	Host Defenses and special populations Pediatric infectious diseases Infections caused by toxin-producing microbes Food and water-borne infections Bioterrorism Endemic mycoses Travel medicine Medical imaging in infectious diseases ID practice in community pharmacy Oddball antimicrobials	2 2 2 2 2 2 2 2 2 2 2 2
	2. 3. 4. 5. 6. 7. 8. 9. 10.	Host Defenses and special populations Pediatric infectious diseases Infections caused by toxin-producing microbes Food and water-borne infections Bioterrorism Endemic mycoses Travel medicine Medical imaging in infectious diseases ID practice in community pharmacy Oddball antimicrobials Physical assessment and diagnostic tests	2 2 2 2 2 2 2 2 2 2 2 2 2 2
	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	Host Defenses and special populations Pediatric infectious diseases Infections caused by toxin-producing microbes Food and water-borne infections Bioterrorism Endemic mycoses Travel medicine Medical imaging in infectious diseases ID practice in community pharmacy Oddball antimicrobials Physical assessment and diagnostic tests Emerging infectious diseases	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	Host Defenses and special populations Pediatric infectious diseases Infections caused by toxin-producing microbes Food and water-borne infections Bioterrorism Endemic mycoses Travel medicine Medical imaging in infectious diseases ID practice in community pharmacy Oddball antimicrobials Physical assessment and diagnostic tests Emerging infectious diseases Case discussions #1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	Host Defenses and special populations Pediatric infectious diseases Infections caused by toxin-producing microbes Food and water-borne infections Bioterrorism Endemic mycoses Travel medicine Medical imaging in infectious diseases ID practice in community pharmacy Oddball antimicrobials Physical assessment and diagnostic tests Emerging infectious diseases	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Case discussions #3

PHAR 752 Course Information Form (formerly Form E and Form F)

I.	AC	ÌΤ	0	Ν	TO	BE	TA	KE	N:
----	----	----	---	---	----	----	----	----	----

\boxtimes	CREATE,		MODIFY, OF	≀ □	DELETE
-------------	---------	--	------------	-----	--------

Desired Term Effective Date (6-digit code): 202001

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 752: Palliative Care

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

		CURR	ENT					1	PROPOSE	D	
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar
						PHAR	752	2	2		
Title: (Click here	to enter t	ext.			Title: P	alliative C	are			
Credi	t Hours	Prereq	uisites	red	Co- quisites	Credi	t Hours	Prereq	uisites		Co-requisites
							2				
Course	e/Catalog	Description	on <i>(125 w</i>	ords)		Course	/Catalog [Descriptio	n <i>(125 wc</i>	ords)	
Click h	ere to ent	er text.				decision Emphasi appropri Students (unique	s required for is will be plantate pharmac will be requ	or patients (aced on the eutical care uired to con care / hospi	or care give role of the p for pain an applete a service patients	ers) app pharma id symples of a b, create	ogic and pharmacologic roaching the end of life. cist in providing otom management. dvanced pain cases e a hospice formulary as a center.
Course	Outcome	es and Ass	sessment	Plan		Course Outcomes and Assessment Plan					
Course Outcomes and Assessment Plan Click here to enter text.					1. 2. 3. 4. 5. Assessm	order to ac Outline the emphasized active part Suggest the symptom of of life. Compare & available f administra Create a hent: Patient	liative care chieve exce e interdiscip ng the role ticipant. The most app management or any given ation, side e ospice form t cases, pres	and the ass llent quality blinary appi of the phar ropriate tre nt for a give he differen n symptom, ffects, and bulary.	ociated y of car roach to macist eatmen en patie t pharm , includ cost.	d principles utilized in the for the dying person. To end-of-life care, as an appropriate and at strategy for pain and ent approaching the end macological agents ing dose, route of	
Course	e Outline i	ncluding ¹	Time Allo	cation	1		formulary p Outline in	•	Time Allo	cation	1
	ere to ent					See be					

A.	If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
	☐ Practicum
	☐ Independent Study

B. College Code: PH

C. Department Code: PHAR

D. Credit Hours:

		Effective Fail 2010
	☐ Variable	
E.	Minimum Credit Hours: 2	
F.	Maximum Credit Hours: 2	
G.	Hours may be repeated for additional credit:	
	⊠ No	
	☐ Yes – If yes, max times repeated: Click here to ent	er text. OR max credits awarded: Click here to enter text.
Н.	Levels:	
• • •	☐ Undergraduate	
	☐ Graduate	
	□ Professional □ Pr	
۱.	Grade Method:	
	Standard Letter Grading	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent cour	rse?
	□ No	
	⊠ Yes – If yes, enter equivalent course: PHAR 553: Pa	Iliative Care
	Course Prej	fix, Number – Course Title
K.	Term(s) Offered: Fall, Spring	
L.	Max Section Enrollment:	
	Lecture: 30	
	Lab: Click here to enter text.	
Ш	Basic Skill (BS), ☐ General Education, ☐ Occupational Ed	ucation, Gen Ed. Codes:
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
OI	FFICE OF THE REGISTRAR USE ONLY	Academic Affairs Approval Signature & Date:
OI Do	FFICE OF THE REGISTRAR USE ONLY ate Rec'd: Date Completed:	Academic Affairs Approval Signature & Date:
OI Do	FFICE OF THE REGISTRAR USE ONLY	Academic Affairs Approval Signature & Date:
OI Do En	FFICE OF THE REGISTRAR USE ONLY ate Rec'd: Date Completed: atered: \$\sum SCACRSE\$, \$\sum SCAPREQ\$	Academic Affairs Approval Signature & Date:
OI Do En	FFICE OF THE REGISTRAR USE ONLY ate Rec'd: Date Completed: atered: \(\subseteq \subs	Time Allocation (hours)
OI Do En	FFICE OF THE REGISTRAR USE ONLY Intered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ Urse Outline including Time Allocation: Topic 1. Introduction to Palliative Care	Time Allocation (hours)
OI Do En	FFICE OF THE REGISTRAR USE ONLY Intered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ Urse Outline including Time Allocation: Topic 1. Introduction to Palliative Care 2. Introduction to Hospice	Time Allocation (hours)
OI Do En	FFICE OF THE REGISTRAR USE ONLY Intered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ Urse Outline including Time Allocation: Topic 1. Introduction to Palliative Care	Time Allocation (hours)
OI Do En	FFICE OF THE REGISTRAR USE ONLY ote Rec'd: Date Completed: otered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ urse Outline including Time Allocation:	Time Allocation (hours) 2 2 2 2 2 2 2 2
OI Do En	FFICE OF THE REGISTRAR USE ONLY Intered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ Intered: □ Introduction to Palliative Care Introduction to Hospice Advanced Care Planning Grief, Loss, Bereavement Symptom Management / Student Presentations Hospice Formulary Considerations	Time Allocation (hours) 2 2 2 2 2 2 2 2 2 2
OI Do En	FFICE OF THE REGISTRAR USE ONLY Intered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ Formula including Time Allocation: Topic 1. Introduction to Palliative Care 2. Introduction to Hospice 3. Advanced Care Planning 4. Grief, Loss, Bereavement 5. Symptom Management / Student Presentations 6. Hospice Formulary Considerations 7. Chronic Pain Management	Time Allocation (hours) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
OI Do En	FFICE OF THE REGISTRAR USE ONLY Intered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ Intered: □ Introduction to Palliative Care Introduction to Hospice Advanced Care Planning Grief, Loss, Bereavement Symptom Management / Student Presentations Hospice Formulary Considerations	Time Allocation (hours) 2 2 2 2 2 2 2 2 2 2
OI Do En	FFICE OF THE REGISTRAR USE ONLY Intered: Date Completed: Intered: SCACRSE, SCADETL, SCARRES, SCAPREQ Formula including Time Allocation: Topic Introduction to Palliative Care Introduction to Hospice Advanced Care Planning Grief, Loss, Bereavement Symptom Management / Student Presentations Hospice Formulary Considerations Chronic Pain Management Methadone Use in Palliative Care & Hospice	Time Allocation (hours) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
OI Do En	FFICE OF THE REGISTRAR USE ONLY Intered: □ Date Completed: □ Intered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ Introduction to Palliative Care Introduction to Hospice Advanced Care Planning Grief, Loss, Bereavement Symptom Management / Student Presentations Hospice Formulary Considerations Chronic Pain Management Methadone Use in Palliative Care & Hospice Nutritional Issues in End-of-Life Care Cultural & Spiritual Issues in End-of-Life Care Legal Issues in End-of-Life Care	Time Allocation (hours) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
OI Do En	FFICE OF THE REGISTRAR USE ONLY Intered: □ Date Completed: □ Intered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ Introduction to Palliative Care Introduction to Hospice Advanced Care Planning Grief, Loss, Bereavement Symptom Management / Student Presentations Hospice Formulary Considerations Chronic Pain Management Methadone Use in Palliative Care & Hospice Nutritional Issues in End-of-Life Care Cultural & Spiritual Issues in End-of-Life Care Legal Issues in End-of-Life Care Nutritional Considerations in End-of-Life Care	Time Allocation (hours) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
OI Do En	FFICE OF THE REGISTRAR USE ONLY Intered: □ Date Completed: □ Intered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ Introduction to Palliative Care Introduction to Hospice Advanced Care Planning Grief, Loss, Bereavement Symptom Management / Student Presentations Hospice Formulary Considerations Chronic Pain Management Methadone Use in Palliative Care & Hospice Nutritional Issues in End-of-Life Care Cultural & Spiritual Issues in End-of-Life Care Legal Issues in End-of-Life Care Nutritional Considerations in End-of-Life Care Ethical Issues in End-of-Life Care	Time Allocation (hours) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
OI Do En	FFICE OF THE REGISTRAR USE ONLY Intered: □ Date Completed: □ Intered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ Introduction to Palliative Care Introduction to Hospice Advanced Care Planning Grief, Loss, Bereavement Symptom Management / Student Presentations Hospice Formulary Considerations Chronic Pain Management Methadone Use in Palliative Care & Hospice Nutritional Issues in End-of-Life Care Cultural & Spiritual Issues in End-of-Life Care Legal Issues in End-of-Life Care Nutritional Considerations in End-of-Life Care	Time Allocation (hours) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

PHAR 753 Course Information Form (formerly Form E and Form F)

I. ACTION	TO BE	TAKEN:
-----------	-------	--------

\boxtimes	CREATE	, 🗆	MODIFY,	OR		DELETI
-------------	--------	-----	---------	----	--	--------

Desired Term Effective Date (6-digit code): 202001

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 753: Comp & Alt Med for Clin Pharm

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		CURR	ENT						PROPOS	ED	
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar
						PHAR	753	2	2		
Title: (Click here	to enter t	ext.			Title: 0	Comp & Al	t Med for	Clin Pha	rm	
Credi	t Hours	Prereq	uisites	red	Co- quisites	Credi	it Hours	Prereq	uisites		Co-requisites
							2				
Course	e/Catalog	Description	on <i>(125 w</i>	ords)			e/Catalog I				
Click here to enter text.						and ho	w it impacts rbal Remed for credit. rs from the	clinical ph dies and Al This cours	iarmacy. Sternative	Studen Therap orimaril	nd alternative medicine ats who have taken PHAR ies may not take this ly instructor led with guest will be presented by the
Course	Outcome	es and Ass	sessment	Plan		Course Outcomes and Assessment Plan					
Click here to enter text.				as su 2. Dis co int 3. As 4. De co 5. As alt 6. Ev	herbs, hom pplements. scuss indicantraindication eractions, a sess the effect that the administrative the samplemental sess the samp	ations, medons/precau and drug infificacy of ea lyantages ary and alter fety and ef arapy for a usefulness	chanism of tions, side teractions ach medici and disadv rnative me fficacy of a given patio of dietary	action e effect for eac ine bas vantage dicine a partic ent. supple	s, doses, disease ch alternative medicine. sed on clinical studies. es to specific cular complementary and ement resources.		
Course	Outline i	ncluding	Time Allo	cation	ı	Course	Outline ii	ncluding 1	ime Allo	cation	1
Click h	ere to ent	ter text.				See be	low				

Α.	if not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]
	☐ Practicum
	☐ Independent Study
В.	College Code: PH
C.	Department Code: PHAR
D.	Credit Hours:
	☐ Variable
	⊠ Fixed
E.	Minimum Credit Hours: 2

F	Maximum Credit Hours: 2
	Hours may be repeated for additional credit:
О.	No
	☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text.
Н.	Levels:
	☐ Undergraduate
	☐ Graduate
	□ Professional
I.	Grade Method:
	☐ Credit/No Credit
J.	Does the proposed course replace an equivalent course?
•	□ No
	Course Prefix, Number – Course Title
Κ.	Term(s) Offered: Fall, Spring
L.	Max Section Enrollment:
	Lecture: 30
	Lab: Click here to enter text.
	Edd. Chek Here to effect text.
To	be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code
	Basic Skill (BS), General Education, Coccupational Education, Gen Ed. Codes:
UC	C Chair Signature & Date: Academic Affairs Approval Signature & Date:
	FFICE OF THE REGISTRAR USE ONLY
	ate Rec'd: Date Completed:
E	ntered: \[\subseteq SCACRSE, SCADETL, SCARRES, SCAPREQ \]

Conter	nt Outl	ine							
Week	k Hrs Topic								
1	2	Course/ Introduction							
2	2	Textbook practice with case/ Case/ Case assignments/store assignments							
3	2	Aromatherapy							
4	2	Homeopathy							
5	2	Dietary Supplements by System Part 2							
6	2	Pranayama Breathing							
7	1	Chiropractic Therapy and Exam 1							
8	2	Functional Foods							
9	2	Traditional Chinese Medicine/Acupuncture							
10	2	Bioidentical hormones							
11	2	Student Case Presentations (5)							
12	2	Student Case Presentations (5)							
13	2	Student Case Presentations (5)							
14	2	Student Case Presentations (5)							
15	2	Student Case Presentations (5)							
		Trip to retail store							
		Cumulative Final Exam							

PHAR 754 Course Information Form (formerly Form E and Form F)

I.	AC1	ΓΙΟΝ	TO	BE	TA	KEN:
----	-----	------	----	----	----	------

\boxtimes	CREATE,		MODIFY	, OR		DELETE
-------------	---------	--	---------------	------	--	--------

Desired Term Effective Date (6-digit code): 202001

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 754: Spec Topics in Comm Pharm Prac

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

		CURR	ENT			PROPOSED					
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar
						PHAR	754	2	2		
Title: (Click here	to enter	text.	•		Title: Spec T	opics in C	omm Pha	rm Prac		
Credi	t Hours	Prereq	uisites		Co- luisites	Credit H	lours	Prerec	Juisites		Co-requisites
						2					
Course	e/Catalog	Descripti	on <i>(125</i> w	ords)		Course/Cata					
Click here to enter text.						This course is designed to foster the development of essential practice skills needed for the provision of pharmaceutical care in a community pharmacy setting. Examples of practice skills targeted for development include: communication, data collection, drug therapy problem identification, therapeutic drug monitoring, and drug information. In addition to clinical practice skills, the student will gain practice management skills from the standpoint of the community pharmacist practitioner.					
Course	e Outcom	es and As	sessment	t Plan		Course Outcomes and Assessment Plan					
Course Outcomes and Assessment Plan Click here to enter text.					 Describe legal, billing and reimbursement issues related to clinical services in community pharmacy practice. Analyze patient and provider populations to determine the need for community pharmacy services. Describe the skills and challenges associated with monitoring and assessing patient health status in community practice. Explain the role and appropriate use of rapid screening tests in community pharmacies. Examine and apply marketing principles to the development of patient-focused services and initiatives. Synthesize a business plan proposal for the development, justification and implementation of a patient-focused clinical service in a community pharmacy. Assessment Plan: Students will be assessed using traditional 						
Course	e Outline	including	Time Allo	catio	n	examinations, in-class assignments, brief reports and presentations. Course Outline including Time Allocation					
	ere to en					See below					

Α.	If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]

☐ Practicum

☐ Independent Study

B. College Code: PH

C. Department Code: PHAR

D. Credit Hours:

	□ Variable	
	⊠ Fixed	
E.	E. Minimum Credit Hours: 2	
F.	F. Maximum Credit Hours: 2	
G.	G. Hours may be repeated for additional credit:	
	⊠ No	
	\square Yes – If yes, max times repeated: Click here to enter text. OI	max credits awarded: Click here to enter text.
Н.	H. Levels:	
	☐ Undergraduate	
	☐ Graduate	
	☑ Professional	
I.	I. Grade Method:	
	Standard Letter Grading	
	☐ Credit/No Credit	
J.	J. Does the proposed course replace an equivalent course?	
	□ No	
	☑ Yes – If yes, enter equivalent course: PHAR 556: Spec Topics	in Comm Pharm Prac
	Course Prefix, Number	r – Course Title
K.	K. Term(s) Offered: Fall, Spring	
L.	L. Max Section Enrollment:	
	Lecture: 30	
	Lab: Click here to enter text.	
	To be completed by Academic Affairs Office: Standards & Measures Co ☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, G	<u> </u>
	□ Basic Skiii (BS), □ General Education, □ Occupational Education, G	en Eu. Codes.
UC	UCC Chair Signature & Date:	ademic Affairs Approval Signature & Date:
		, , , , , , , , , , , , , , , , , , ,
	OFFICE OF THE REGISTRAR USE ONLY	
	Date Rec'd: Date Completed:	
Er	Entered: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ	
C	Course Outline including Time Allegations	

Course Outline including Time Allocation:			
Topic	Hrs	Topic	Hrs
Introduction and Project Description	2	Specialty Practices: Immunizations & Research	1
Your First Day as a Pharmacist	1	Specialty Practices: Specialty Pharmacy	1
Cognitive Services Overview	3	Specialty Practices: Compounding	1
SWOT, Marketing & Professional Relationships	1	Application of MTM & DSM	2
Documentation Systems	1	Buying/Selling a Pharmacy	1
Concepts in Self Care: OTCs & Herbals	1	Purchasing & Wholesaler Relationships	1
Test	1	Risk Management	2
Issues in Adherence & Compliance	2	Community Pharmacy Management	2
Concepts in Self Care: A Non-Pharmacologic Focus	2	Project Presentations	4
Specialty Practices: Screenings	1	Total	30

PHAR 755 Course Information Form (formerly Form E and Form F)

I. ACTION	TO BE	TAKEN:
-----------	-------	--------

\boxtimes	CREATE,		MODIFY,	OR		DELETE
-------------	---------	--	---------	----	--	--------

Desired Term Effective Date (6-digit code): 202001

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 755: Med Research Methods - Design

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

		CURR	ENT			PROPOSED					
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar
						PHAR	755	2	2		
Title: (Click here	to enter t	ext.			Title: N	/led Resea	rch Meth	ods - Des	sign	
Credi	t Hours	Prereq	uisites	Co- requisites		Credi	redit Hours Prerequisites			Co-requisites	
							2				
Course	e/Catalog	Description	on <i>(125 w</i>	ords)		Course	/Catalog I	Descriptio	n <i>(125 w</i>	ords)	
Click here to enter text.						This course includes medical research, data management, and information dissemination. Students are introduced to the professional ethics and regulations that govern medical research; in addition to methodological aspects of medical research including study design, protocol development, data management/analysis, and data dissemination. Students will participate in sessions designed to introduce them to software commonly used in medical research. Students will identify a scientific question and develop a research proposal that allows them to test their hypothesis.					
Course	e Outcome	es and Ass	sessment	Plan		Course Outcomes and Assessment Plan					
Click here to enter text.					Following the successful completion of this course, the student will be able to: 1. Apply specific regulations that provide oversight and guidance to biomedical researchers. 2. Formulate a research hypothesis and develop a research protocol to test their hypothesis. 3. Analyze electronic data using Microsoft Excel and Access. 4. Summarize data and determine the optimal format for data presentation (i.e., graph, table, text). Assessment: Students will be assessed using weekly assignments, periodic assignments related to the research proposal, and the research proposal presentation and poster at the end of the course.						
Course	e Outline i	ncluding	Time Allo	catior	1	Course Outline including Time Allocation					
	ere to ent					See be					

٩.	If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
	☐ Practicum
	☐ Independent Study
3.	College Code: PH
С.	Department Code: PHAR
`	Cradit House

D. Credit Hours:☐ Variable

[⊠ Fixed	
E. [Minimum Credit Hours: 2	
F. 1	Maximum Credit Hours: 2	
G. I	Hours may be repeated for additional credit:	
	, . ⊠ No	
	\square Yes – If yes, max times repeated: Click here to enter tex	t OR may credits awarded. Click here to enter text
		tt. On max credits awarded. Click here to enter text.
	Levels:	
	□ Undergraduate □	
l	☐ Graduate	
[⊠ Professional	
. (Grade Method:	
[Standard Letter Grading	
[☐ Credit/No Credit	
	Does the proposed course replace an equivalent course?	
		search Methods Design
l	Yes – If yes, enter equivalent course: PHAR 558: Med Re Course Prefix No.	-
		mber – Course Title
	Term(s) Offered: Fall, Spring	
	Max Section Enrollment:	
	Lecture: 20	
	Lab: Click here to enter text.	
l	Lab: Click here to enter text.	es Coding and Consust Education Code
To l	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure	
To l	Lab: Click here to enter text.	
To k	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education	on, Gen Ed. Codes:
To k	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure	
To k	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education	on, Gen Ed. Codes:
To k	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education	on, Gen Ed. Codes:
To I	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education	on, Gen Ed. Codes:
To I	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Chair Signature & Date:	on, Gen Ed. Codes:
To I	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education Chair Signature & Date:	on, Gen Ed. Codes:
To I	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY the Rec'd: Date Completed: ered: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ	on, Gen Ed. Codes:
To I	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY THE REC'd: Date Completed: Ered: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ Tree Outline including Time Allocation:	Academic Affairs Approval Signature & Date:
To I	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY the Rec'd: Date Completed: ered: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ	on, Gen Ed. Codes:
OFF Dat Enter Cour 1.	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY The Rec'd: ☐ Date Completed: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ Treed: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ Topic Research Ethics and Regulations Selecting a study design.	Academic Affairs Approval Signature & Date: Time Allocation
OFF Dat Enter	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY The Rec'd: ☐ Date Completed: ☐ Date Completed: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ Treed: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ Tree Outline including Time Allocation: Topic Research Ethics and Regulations Selecting a study design- Identifying and developing a research question/hypothesis	Academic Affairs Approval Signature & Date: Time Allocation 2 1 1
OFF Dat Enter 1. 2. 3. 4.	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), General Education, Occupational Education Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY The Rec'd: Date Completed: Erec: SCACRSE, SCADETL, SCARRES, SCAPREQ Topic Research Ethics and Regulations Selecting a study design- Identifying and developing a research question/hypothesis Statistics review and software, Part 1	Academic Affairs Approval Signature & Date: Time Allocation 2 1 1 2
OFF Date Enter 1. 22. 33. 44. 55.	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY The Rec'd: ☐ Date Completed: ☐ Date Completed: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ TSE Outline including Time Allocation: Topic Research Ethics and Regulations Selecting a study design: Identifying and developing a research question/hypothesis Statistics review and software, Part 1 Statistical review and software, Part 2	Academic Affairs Approval Signature & Date: Time Allocation 2 1 1 2 2 2
OFF Date Enter 1. 22. 33. 44. 55. 63.	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY The Rec'd: ☐ Date Completed: ☐ Date Completed: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ TSE Outline including Time Allocation: Topic Research Ethics and Regulations Selecting a study design: Identifying and developing a research question/hypothesis Statistics review and software, Part 1 Statistical review and software, Part 2 Student Presentations: Analyzing a research article	Academic Affairs Approval Signature & Date: Time Allocation 2 1 1 2 2 2 2 2
OFF Dat Enter 1. 22. 33. 44. 55. 63. 77.	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY The Rec'd: ☐ Date Completed: ☐ Date Completed: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ TSE Outline including Time Allocation: Topic Research Ethics and Regulations Selecting a study design: Identifying and developing a research question/hypothesis Statistics review and software, Part 1 Statistical review and software, Part 2 Student Presentations: Analyzing a research article Preparing the proposal	Academic Affairs Approval Signature & Date: Time Allocation 2 1 1 2 2 2 2 2
OFF Dat Enter 1. 22. 33. 44. 55. 63. 77. 83.	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY The Rec'd: ☐ Date Completed: ☐ Date Completed: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ TSE Outline including Time Allocation: Topic Research Ethics and Regulations Selecting a study design: Identifying and developing a research question/hypothesis Statistics review and software, Part 1 Statistical review and software, Part 2 Student Presentations: Analyzing a research article Preparing the proposal Data collection/management	Academic Affairs Approval Signature & Date: Time Allocation 2 1 1 2 2 2 2 2 2 2 2 2
OFF Date Enter 1. 22. 33. 44. 55. 63. 77. 83. 99.	be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY for Rec'd: ☐ Date Completed: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ Topic Research Ethics and Regulations Selecting a study design: Identifying and developing a research question/hypothesis Statistics review and software, Part 1 Statistical review and software, Part 2 Student Presentations: Analyzing a research article Preparing the proposal Data collection/management MS Excel Laboratory (I)	Academic Affairs Approval Signature & Date: Time Allocation 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
OFF Date Enter 22. 33. 44. 55. 33. 77. 38. 99. 110.	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY for Rec'd: ☐ Date Completed: ☐ Date Completed: ☐ Date Completed: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ Topic Research Ethics and Regulations Selecting a study design: Identifying and developing a research question/hypothesis Statistics review and software, Part 1 Statistical review and software, Part 2 Student Presentations: Analyzing a research article Preparing the proposal Data collection/management MS Excel Laboratory (I) MS Excel laboratory (II)	Academic Affairs Approval Signature & Date: Time Allocation 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
OFF Dat Enter Sour 1. 22. 33. 4. 55. 63. 7. 33. 99. 110. 111.	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), ☐ General Education, ☐ Occupational Education Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY The Rec'd: ☐ Date Completed: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ FISE Outline including Time Allocation: Topic Research Ethics and Regulations Selecting a study design- Identifying and developing a research question/hypothesis Statistics review and software, Part 1 Statistical review and software, Part 2 Student Presentations: Analyzing a research article Preparing the proposal Data collection/management MS Excel Laboratory (II) MS Excel laboratory (III) MS Excel laboratory (IIII)	Academic Affairs Approval Signature & Date: Time Allocation 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
OFF Dat Enter 1. 22. 33. 44. 55. 63. 77. 11. 112.	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), □ General Education, □ Occupational Education Chair Signature & Date: Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY The Rec'd: □ Date Completed: □ Date Compl	Academic Affairs Approval Signature & Date: Time Allocation 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
OFF Date Enter 1. 2. 3. 4. 5. 3. 7. 11. 12. 13.	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), □ General Education, □ Occupational Education Chair Signature & Date: Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY The Rec'd: □ Date Completed: □ Date Compl	Academic Affairs Approval Signature & Date: Time Allocation 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
OFF Dat Enter 1. 22. 33. 44. 55. 63. 77. 33. 99. 110. 111. 112.	Lab: Click here to enter text. be completed by Academic Affairs Office: Standards & Measure Basic Skill (BS), □ General Education, □ Occupational Education Chair Signature & Date: Chair Signature & Date: FICE OF THE REGISTRAR USE ONLY The Rec'd: □ Date Completed: □ Date Compl	Academic Affairs Approval Signature & Date: Time Allocation 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

PHAR 756 Course Information Form (formerly Form E and Form F)

□ Professional Grade Method:

. ACII	ON TO BE	IAKEN.										
\boxtimes (CREATE, \Box	MODIF	/, OR □	DELE	TE							
Desi	red Term E	ffective I	Date (6-d	igit co	de): <mark>2020</mark>	01						
NOT	E: The first f	our digits	indicate ye	ear, th	e next two	dig	its indico	ite month i	in which te	rm begins.		
II.COU	RSE IDENT	IFICATIO					-					
				Prefix,	. Course Ni	uml	ber – Cou	rse Title				
If de	leting a co	urse STO	P HERE.									
	modification	-					anged.					
If cr	eating a co	urse, con	nplete <u>all</u>	relev	ant fields							
		CURR	ENT							PROPO	SED	
Prefix	Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar
		Hours					PHAR	756	Hours 2	2		
Title	Click here	to enter t	ext						mmunity		n	
	dit Hours		uisites		Co-			t Hours	Prereq			Co-requisites
0.00			Jaiores	red	quisites		o.cu.	criouro	110.04	4.5.005		oo requisites
					1			2				
Cours	se/Catalog	Description	on <i>(125 w</i>	ords)			Course	/Catalog	Descriptio	n <i>(125 wc</i>	rds)	
	here to ent			,								rofessionals' education through
												sed health initiative and to
												II health and well-being throug improve cultural competency
												ty, enhance his/her
												preciation for current healthcar
				<u> </u>					spective of t			nunity.
	se Outcom		sessment	Plan			See belo		es and Ass	essment	Plan	
	here to ent		T: All a							-: All -		
	se Outline i		rime Allo	catior	1				ncluding T	ime Alloc	Lation	
	here to ent		hook how	25 22		[C-	See be		andi., F1.			
	not LEC/LA	B/SEIVI, CI	песк вох	as app	oropriate	[Se	е рејіпісі	ons in App	enaix Ej:			
	Practicum											
	Independe											
	llege Code											
	partment		4R									
	edit Hours:											
	Variable											
\boxtimes	Fixed											
	nimum Cre											
F. Ma	aximum Cr	edit Hour	s: 2									
G. Ho	ours may be	e repeate	d for add	itiona	l credit:							
\boxtimes	No											
	Yes – If ye	s, max tin	nes repea	ted: (Click here	to	enter te	xt. OR ma	x credits a	awarded:	Click	here to enter text.
H. Le	vels:											
	Undergrad	duate										
	Graduate											

	☐ Credit/No Credit		
J.	Does the proposed course replace an equivalent cour	rse?	
	□ No		
		terdis Community Practicum	
	Course Prej	fix, Number – Course Title	
K.	Term(s) Offered: Fall, Spring		
L.	Max Section Enrollment:		
	Lecture: 8		
	Lab: Click here to enter text.		
	o be completed by Academic Affairs Office: <code>Standards</code> & Me \Box Basic Skill (BS), \Box General Education, \Box Occupational Ed	_	
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:	
0	FFICE OF THE REGISTRAR USE ONLY		
D	ate Rec'd: Date Completed:	<u> </u>	
l Fi	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ		
	THETEU SCACKSE, - SCADETE, - SCARKES, - SCAFREQ		

Course Outcomes

- 1) Identify the concept, components, behaviors and values associated with patient-specific and population-based disease management.
- 2) Gather relevant information/collect data needed to provide patient-specific and population-based disease management.
- 3) Describe the relevant cultural and societal influences on patient-specific and population-based disease management.
- 4) Establish goals and desired outcomes for the patient-specific and/or population-based disease management plan.
- $\label{eq:continuous} \mbox{5) Develop a monitoring plan that evaluates achievement of pharmacotherapeutic goals.}$
- 6) Effectively collaborate with and communicate the patient-specific and/or population-based disease management plan to prescribers, patients, care givers, and other involved health care providers to engender a team approach to patient care.
- 7) Implement the patient-specific and/or population-based disease management plan.
- 8) Use various methods to enhance patient adherence.
- 9) Provide pharmacologic and non-pharmacologic education with the appropriate content to patients or care givers.
- 10) Conduct programs designed to provide public education and promote public awareness of disease prevention.
- 11) Write and speak accurately and clearly during communications with patients, health professionals, peers and teachers.
- 12) Exhibit a caring and respectful attitude and demonstrate empathy while communicating with the patients and/or caregiver.
- ${\bf 13)}\ Demonstrate\ sensitivity\ and\ tolerance\ within\ multicultural\ interactions\ and\ settings.$
- 14) Use computer technology creatively to convey information and proposals in narrative, graphic, and tabular modes.
- 15) Use writing, speaking, data, and media creatively to convey convincing messages, both individually and in groups.
- 16) Choose communication methods that are sensitive to the cultural background of the target audience.
- 17) Construct messages appropriate to the target audience to deliver information clearly and in a manner in which the message is heard.
- 18) Display professionalism in the classroom.

Assessment: Attendance/participation, presentations, portfolio, reflective papers.

Course Outline including Time Allocation: (each semester for a two semester course)

Topic	Time (Hrs)
Orientation	4
Health literacy	2
Update meetings (pharmacy only)	8
Refugee educational workshop	6
Presentation to interdisciplinary group	2
Presentation (pharmacy only)	2
View movie	2
Family meetings and education	19
Total	45

PHAR 757 Course Information Form (formerly Form E and Form F)

ı.	ACT	ION	TO	BE	TAKEN:	
----	------------	-----	----	----	--------	--

\boxtimes	CREATE,		MODIFY	, OR		DELETE
-------------	---------	--	---------------	------	--	--------

Desired Term Effective Date (6-digit code): 202001

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 757: Advance Card Life Support

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

		CURR	ENT			PROPOSED						
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
						PHAR	757	2	2			
Title: 0	Click here	to enter t	ext.			Title: A	dvance Ca	ard Life Su	ıpport			
Credi	t Hours	Prereq	uisites		Co-	Credi	t Hours	Prereq	uisites		Co-requisites	
				rec	quisites							
							2					
Course	e/Catalog	Description	on <i>(125 w</i>	ords)			/Catalog [t with training and	
Click here to enter text.						support equipm effective monitor mainter cardiac suspect	education to assist with a patient requiring advanced cardiac life support (ACLS). This includes basic life support, use of adjunctive equipment and special techniques for establishing and maintaining effective ventilation and circulation, electrocardiographic (ECG) monitoring and arrhythmia recognition, establishment and maintenance of IV access, therapies for emergency treatment for cardiac and respiratory arrests, and treatment of patients with suspected acute myocardial infarction or stroke.					
			sessment	Plan		Course Outcomes and Assessment Plan At the completion of this course the student will be able to						
Course Outcomes and Assessment Plan Click here to enter text.						1. Re 2. Re rec 3. Per pat 4. Co in c 5. Re 6. Juc gui Assess Student Also, th	cognize and cognize life ommendating form the basing in th	d manage -threatenir ions for cal asic cardia d assign te esuscitatio acology, do resuscitat : ssessed us a simulated	ACLS core ng emerge re. c life supp eam memb ns. use and fre ion is initial ing tradition d cardiac a	e case ncies a ort skil pers re equence ated wi	in Adults and outline the and outline the alls required for a critical sponsibilities that result by of ACLS core drugs, thin the recommended caminations and quizzes, that the students will be	
Course	Outline i	ncluding	Time Allo	catior	1		Course Outline including Time Allocation					
	ere to ent					See be	See below					

Α.	If not LEC/LAB/SEM,	Check box as	appropriate	[See Definitions i	in Appendix E]
----	---------------------	--------------	-------------	--------------------	----------------

☐ Practicum

☐ Independent Study

B. College Code: PH

C. Department Code: PHAR

D.	Credit Hours:	
	☐ Variable	
	⊠ Fixed	
E.	Minimum Credit Hours: 2	
F.	Maximum Credit Hours: 2	
G.	Hours may be repeated for additional credit:	
	No No .	
	☐ Yes – If yes, max times repeated: Click here to enter tex	t. OR max credits awarded: Click here to enter text.
Н.	Levels:	
	☐ Undergraduate	
	☐ Graduate	
	□ Professional	
ı.	Grade Method:	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
J.	□ No	
	∀es − If yes, enter equivalent course: PHAR 560: Advance	a Card Life Support
		mber – Course Title
K.	Term(s) Offered: Fall, Spring	miser course ride
L.	Max Section Enrollment:	
	Lecture: 18	
	Lab: Click here to enter text.	
To	be completed by Academic Affairs Office: Standards & Measure	s Coding and General Education Code
	Basic Skill (BS), \square General Education, \square Occupational Educatio	on, Gen Ed. Codes:
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
0	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
	tered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ	
Top	pics and Time Allocation	
	Topic Overview: Goals and key principles in the application of ACLS	Hrs
	Cardiovascular Pharmacology	2 2
	Respiratory Arrest	2
	Rhythm Recognition	2
	Witnessed Ventricular fibrillation (VF) and CPR VF/pulseless ventricular tachycardia (VT)	2 2
	Pulseless Electrical Activity (PEA) and Asystole	2
	Stable Tachcardias	2
	Bradycardia	2
	Acute Ischemic Stroke Acute Coronary Syndrome	2 2
	Unstable Tachycardias	2
	Intraprofessional Simulation	4
	Mega Code	2

PHAR 758 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{\Box}$ Modify, or $oxed{\Box}$ delete

Desired Term Effective Date (6-digit code): 202001

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 758: Elder Care Initiative

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

		CURR	ENT			PROPOSED					
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Lecture Lab			Seminar
						PHAR	758	1	1		
Title: (Click here	to enter t	ext.			Title: E	lder Care	Initiative	ı		<u> </u>
Credi	it Hours	Prereq	uisites	red	Co- quisites	Credi	t Hours	Prerec	uisites		Co-requisites
							1				
Course	e/Catalog	Description	on <i>(125 w</i>	ords)		Course	/Catalog I	Description	on <i>(125 w</i>	ords)	
Click h	nere to ent	ter text.			interpro through a comm taken bo collabor patient	Students from multiple professions are paired to display the importance of interprofessional collaboration in patient care. This is accomplished through didactic instruction, group discussions and multiple home visits to a community-dwelling elderly adult over two semesters. Course must be taken both fall and spring semesters. During the course the students will collaborate to identify teaching initiatives, implement plans and assess patient understanding of instruction.					
Course	e Outcome	es and Ass	sessment	Plan		Course Outcomes and Assessment Plan					
Click here to enter text.						the com 2) Devel professi 3) Imple of instru 4) Orally 5) Const during the	munity setti op teaching onals. ment patier action. defend pat cruct a writte he elective.	ing. initiatives i nt-specific to ient-specifi en summary	n collabora eaching init c recomme v of your in	tion wi iatives ndation ter-pro	th other health and assess understanding as in a group setting. fessional experiences zes and examinations.
Course	e Outline i	ncluding ¹	Time Allo	cation	ı	Course	Course Outline including Time Allocation				
Click h	nere to ent	ter text.					See below				

Α.	If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
	☐ Practicum
	☐ Independent Study
В.	College Code: PH
C.	Department Code: PHAR

D. Credit Hours:

□ Variable

E. Minimum Credit Hours: 1

F	F. Maximum Credit Hours: 1	
	G. Hours may be repeated for additional credit:	
Ο.	□ No	
	☑ Yes – If yes, max times repeated: Click here to enter text. OR m	ax credits awarded: 2
Н.	H. Levels:	
	☐ Undergraduate	
	☐ Graduate	
	□ Professional	
l.	I. Grade Method:	
	□ Standard Letter Grading	
	☐ Credit/No Credit	
J.		
	□ No	
	☑ Yes – If yes, enter equivalent course: PHAR 562: Elder Care Initi	ative
	Course Prefix, Number –	
K.	K. Term(s) Offered: Fall, Spring	
L.	L. Max Section Enrollment:	
	Lecture: 10	
	Lab: Click here to enter text.	
_		
	To be completed by Academic Affairs Office: Standards & Measures Codin ☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen	
	Busic Skiii (1997)	-u. coucs.
UC	UCC Chair Signature & Date: Acad	emic Affairs Approval Signature & Date:
	OFFICE OF THE REGISTRAR USE ONLY	
	Date Rec'd: Date Completed:	
Er	Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

Topic (Semester 1)	Hrs	Topic (Semester 2)	Hrs
Introduction to Course	1	An Interactive Approach to Health Literacy	2
Ways to Identify and Overcome Barriers Associated with	1	Polypharmacy in the Geriatric Patient	1
the Geriatric Patient			
Introduction to Inter-professional Education	2	Student Directed Round Table Discussion on Inter-	2
		professional Education	
Home Visit #1-Identifying Elder Teaching Initiative	1	Home visit- #4 Identifying Elder Teaching Initiative	1
Plan Development for Identified Teaching Initiative	2	Plan Development for Identified Teaching Initiative	2
Plan Presentation and Refinement with Nursing and	1	Plan Presentation and Refinement with Nursing and	1
Pharmacy Faculty		Pharmacy Faculty	
Home Visit #2- Plan Implementation	1.5	Home Visit #5- Plan Implementation	1
Home Visit #3- Plan Assessment	1.5	Home Visit #3- Plan Assessment	1
Home Visit Case Presentations	4	Home Visit Case Presentations	4

PHAR 759 Course Information Form (formerly Form E and Form F)

I. ACTIO	N TO	BE T	AKEN:
----------	------	------	-------

□ CREATE, □ MODIFY, OR □ DELETE

Desired Term Effective Date (6-digit code): 202001

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 759: Spec Pop Peds Geriatrics

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

CURRENT						PROPOSED					
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar
						PHAR	759	2	2		
Title: 0	Click here	to enter t	ext.			Title: S	pec Pop P	eds Geria	trics		
Credi	t Hours	Prereq	uisites	rec	Co- quisites	Credi	· · · · · · · · · · · · · · · · · · ·		uisites		Co-requisites
							2				
Course	Course/Catalog Description (125 words)					/Catalog I					
Click here to enter text.					pharma		in the pedi	atric and g	eriatrio	topics related to populations through the	
Course	e Outcome	es and Ass	sessment	Plan		Course	Outcome	s and Ass	essment	Plan	
Course Outcomes and Assessment Plan Click here to enter text.					1. Der in ti pha 2. Der star issu 3. Dev pat par 4. Resc act 5. Appl pre Assess	fine the may he pediatrical reaction various te presentates. The pediatrical reaction is a meters for earch, developed the pediatrical reactions are the pediatrical reactions.	ior pharma c and geria apy. uus pediatri tions and t nacotherap n include a r assessing elop, and d g strategies es learned and profes dents will b	cokinetic a tric popula c and geri heir pharn eutic care ppropriate g efficacy a eliver topic during pre sional pra se assesse	and/or ations a atric synacotherapand toxon presentate ctice.	will be able to: physiologic differences and how they influence yndromes and/or disease erapeutic treatment for pediatric and geriatric pies and monitoring dicity. entations that incorporate ions to future g traditional ment papers.	
Course	e Outline i	ncluding '	Time Allo	catior	1	Course Outline including Time Allocation					
Click h	ere to ent	ter text.				See be	low				

A.	If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
	☐ Practicum
	☐ Independent Study
В.	College Code: PH
C.	Department Code: PHAR
D.	Credit Hours:
	☐ Variable
	⊠ Fixed
E.	Minimum Credit Hours: 2

		Effective Fall 201
F.	Maximum Credit Hours: 2	
G.	Hours may be repeated for additional credit:	
	⊠ No	
	☐ Yes – If yes, max times repeated: Click here to enter text. •	R max credits awarded: Click here to enter text.
н	Levels:	
• • •	☐ Undergraduate	
	-	
	☐ Graduate	
	□ Professional	
l.	Grade Method:	
	Standard Letter Grading	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent course?	
	□ No	
		ods Cariatrics
	☑ Yes – If yes, enter equivalent course: PHAR 563: Spec Pop P	
1/	Course Prefix, Number	er – Course Title
	Term(s) Offered: Fall, Spring	
L.	Max Section Enrollment:	
	Lecture: 36	
	Lab: Click here to enter text.	
T	o be completed by Academic Affairs Office: Standards & Measures Co	oding and General Education Code
	\square Basic Skill (BS), \square General Education, \square Occupational Education, \square	sen Ed. Codes:
UC	C Chair Signature & Date:	cademic Affairs Approval Signature & Date:
0	FFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	
	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	
Со	urse Outline including Time Allocation (15 hours/credit not includi	
	Topic 1. Course introduction	<u>Time Allocation</u> 0.5
	 Introduction to pediatrics: growth/development, physical exams, 	
	lab values, vitamin/mineral supplementation	1.5
	 Newborn screening and genetic disorders; pediatric immune- mediated diseases 	2
	 Pediatric pharmaceutical issues and drug information resources; 	2
	infant formulas, food allergies/intolerances	
	Neonatal diseases	2
		2
	6. Pediatric infectious diseases	2
	6. Pediatric infectious diseases7. Pediatric gastrointestinal and hematologic disorders	2 2 2
	6. Pediatric infectious diseases	2
	 Pediatric infectious diseases Pediatric gastrointestinal and hematologic disorders Pediatric neurologic disorders Pediatric endocrine disorders Midterm examination 	2 2 2 2 2 2 1
	 Pediatric infectious diseases Pediatric gastrointestinal and hematologic disorders Pediatric neurologic disorders Pediatric endocrine disorders Midterm examination Introduction to geriatrics: physiologic changes and assessment 	2 2 2 2 2 2 1 1
	 Pediatric infectious diseases Pediatric gastrointestinal and hematologic disorders Pediatric neurologic disorders Pediatric endocrine disorders Midterm examination Introduction to geriatrics: physiologic changes and assessment Geriatric pharmacokinetic/pharmacodynamics and effects on drug 	2 2 2 2 2 2 1 1
	 Pediatric infectious diseases Pediatric gastrointestinal and hematologic disorders Pediatric neurologic disorders Pediatric endocrine disorders Midterm examination Introduction to geriatrics: physiologic changes and assessment Geriatric pharmacokinetic/pharmacodynamics and effects on drug therapy Geriatric clinical pearls: cardiovascular, metabolic, respiratory 	2 2 2 2 2 1 1 1 2 2
	 Pediatric infectious diseases Pediatric gastrointestinal and hematologic disorders Pediatric neurologic disorders Pediatric endocrine disorders Midterm examination Introduction to geriatrics: physiologic changes and assessment Geriatric pharmacokinetic/pharmacodynamics and effects on drug therapy Geriatric clinical pearls: cardiovascular, metabolic, respiratory Geriatric gastrointestinal and infectious diseases 	2 2 2 2 2 1 1 1 2 2 2
	 Pediatric infectious diseases Pediatric gastrointestinal and hematologic disorders Pediatric neurologic disorders Pediatric endocrine disorders Midterm examination Introduction to geriatrics: physiologic changes and assessment Geriatric pharmacokinetic/pharmacodynamics and effects on drug therapy Geriatric clinical pearls: cardiovascular, metabolic, respiratory 	2 2 2 2 2 1 1 1 2 2

PHAR 760 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{oxed}$ Modify, or $oxed{oxed}$ delete

Desired Term Effective Date (6-digit code): 202001

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 760: Integr Team-Based Health Care

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

CURRENT									PROPOSE	D	
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar
						PHAR	760	3	1	2	
Title: 0	Title: Click here to enter text.					Title: I	ntegr Tear	n-Based F	lealth Ca	re	
Credit Hours		Prereq	uisites	rec	Co- quisites	Credi	t Hours	Prereq	uisites		Co-requisites
							2				
Course/Catalog Description (125 words)			Course	/Catalog [Descriptio	n <i>(125 wc</i>	ords)				
Click here to enter text.					is key to and the interpro group-d about m	building eff outcomes of fessional ed irected, expenditiple healt	ective healt f participan ucation, wh eriential, re h professio	h care tean ts. This cou ich include flective, and ns students	ns that rse will collabo d applie	d patient-centered practice improve the experiences apply principles of prative, egalitarian, ed learning with, from and	
-	e Outcome		sessment	Plan		Course Outcomes and Assessment Plan					
Click here to enter text. 1. Discriminate the role of own profession and others in care coording case management, and transition services in all practice settings are emerging practice environments. 2. Integrate as a partner, the knowledge and skills of other profession patients/clients in designing and implementing care services. 3. Apply individual and group communication principles to team communications and processes to enable effective integrated patient/client care. 4. Evaluate methods to handle conflict through interpersonal negotiant in delivery of integrated patient centered care. 5. Apply collaborative leadership principles and systems thinking that results in delivery of integrated patient centered care. 6. Utilize continuous improvement principles in the achievement of procentered care. 7Co-create a team model that leverages the strengths of each participation in the care. Assessment: Quizzes, Examination and Case Presentations.					all practice settings and alls of other professions and ag care services. inciples to team ective integrated interpersonal negotiation. systems thinking that red care. the achievement of patient irengths of each participant						
	e Outline i		Time Allo	catior	1	Course Outline including Time Allocation					
Click h	ere to ent	er text.				See be	low				

Cl	ick here to enter text.		See below
Α.	If not LEC/LAB/SEM, Check box as appropriate [See	Definitions in Appendix E]:
	☐ Practicum		
	☐ Independent Study		
В.	College Code: PH		
C.	Department Code: PHAR		
D.	Credit Hours:		
	☐ Variable		
	⊠ Fixed		

E.	E. Minimum Credit Hours: 2	Lifective i all 2010
ь. F.		
	G. Hours may be repeated for additional credit:	
u.	 No 	
	☐ Yes – If yes, max times repeated: Click here to enter text. O	may credits awarded. Click here to enter text
ш	H. Levels:	tillax credits awarded. Click here to enter text.
п.		
	☐ Undergraduate	
	☐ Graduate	
	☑ Professional	
I.		
	□ Standard Letter Grading □	
	☐ Credit/No Credit	
J.	J. Does the proposed course replace an equivalent course?	
	□ No	
	☑ Yes – If yes, enter equivalent course: PHAR 564: Integr Team	-Based Health Care
	Course Prefix, Number	r – Course Title
K.	K. Term(s) Offered: Fall, Spring	
L.	L. Max Section Enrollment:	
	Lecture: 25	
	Lab: Click here to enter text.	
	To be completed by Academic Affairs Office: Standards & Measures Co ☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, G	<u> </u>
UC	UCC Chair Signature & Date: Ac	ademic Affairs Approval Signature & Date:
		
0	OFFICE OF THE REGISTRAR USE ONLY	
D	Date Rec'd: Date Completed:	
Eı	Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

Topic	Hrs Lecture/Lab
Models of inter-professional practice	1/2
Team development/Team dynamics	1 /2
Creating shared professional values and establishing team culture	1 /2
Conflict management strategies that encourage team function; Negotiation and consensus building	1/2
Goal setting as an inter-professional health team	1/2
Decision-making models that promote effective teams	1/2
Disciplinary articulation	1 /2
Inter-professional communication	1/2
Leadership framed by the context	1/2
Flexibility as a foundational team value	1/2
Role model team analysis assignment	1/2
Team work preparation	1 /2
Team analysis of authentic clinical experience	1/2
Preparation time for case presentation	1/2
Final presentation	1/2

PHAR 850 Course Information Form (formerly Form E and Form F)

I.	AC	ΓΙΟΝ	TO B	E TAKE	:N
----	----	------	------	--------	----

\boxtimes	CREATE,	☐ MODIFY, OR	☐ DELETI
-------------	---------	--------------	----------

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 850: Academic APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		CURR	ENT			PROPOSED							
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar		
						PHAR	850	40					
Title: (Click here	to enter t	ext.			Title: A	.cademic /	APPE					
Credi	it Hours	Prereq	uisites	rec	Co- quisites	Credit Hours		Prereq	uisites		Co-requisites		
					10	6							
Course	e/Catalog	Description	on <i>(125 w</i>	ords)			/Catalog I	 Descriptio	n <i>(125 wc</i>	ords)			
Course/Catalog Description (125 words) Click here to enter text.						This election students. The student pharmac develop	tive APPE o with an opp lent will dev cy students writing and	ffered at va cortunity to relop knowled in the classr communica	rious facult understand edge and sk oom and p ation skills.	ry sites If the rokills in tractice	is designed to provide the le of the pharmacy educator. eaching and precepting setting. The student will also		
Course	e Outcome	es and Ass	sessment	Plan			Outcome						
Click h	nere to ent	er text.				2. Provid 3. Evaluation practice 4. Descripersonne 5. Write teachers 6. Use with communiary personne 7. Demoistings. 8. Assess 9. Responguestion 10. Ident 11. Assess 12. Displincomple 13. Syntt conclusion 14. Reguiperforms 15. Displ 16. Empl	de in-service ate and inte setting. libe the difference and speak a control of the setting, speak a control of the setting, speak a control of the setting and appropriate posed. Lify realistic as accuracy, veness of in lay openness eteness. Life informations, conject aliarly self-as ance areas ance areas along ethical professions of the self-as ance areas along ethical professions of the self-as ance areas along ethical professions and the self-as ance areas along ethical professions and the self-as ance areas along ethical professions and the self-as ance areas along ethical professions are self-as ance areas along ethical professions and the self-as ance areas along ethical professions are self-as a control of the self-as ance areas along ethical professions are self-as a control of the self-as ance areas along ethical professions are self-as a control of the self-as ance areas along ethical professions are self-as a control of the self-as ance areas along ethical professions are self-as a control of the self-as a control of the self-as ance areas along ethical professions are self-as a control of the sel	education rpret professive and real roles and real	with the appositional, lay and response and clearly connedia, and a teachers. tolerance we are the nough price gnificance, and its source as and a tocomplete a source as and a tocomplete a source and ifficulties wharmacy price a systemal a systemal assistant and a systemal assistant assista	propria and sci- ibilities during c compu- vithin m e correc ct form pritizati relevar ces. blerance lution, cide a c d initia- without ractice. atic dec	to the practice setting. Sete content Sentific literature relevant to the Sete of professional and technical Semmunications with peers and Seters creatively to assist in Sectional interactions and Section and modify when necessary. Section and modify when necessary. Section and modify and Section		

			Effective Fall 201
			Assessment: Assessment: Students will be assessed using one or more of the
			following methods: direct observation of the student during APPE activities,
			examinations, written assignments, oral presentations and focused, group discussions.
Co	ourse Outline including Time Allocation		Course Outline including Time Allocation
	ick here to enter text.	\top	TOPIC TIME (HRS)
			Experiential rotation (40 hours per week) 240 TOTAL 240
	If not LEC/LAD/SEM. Chock how as appropriate /		Definitions in Amendia 51
A.	If not LEC/LAB/SEM, Check box as appropriate [see	Definitions in Appendix Es.
	⊠ Practicum		
	☐ Independent Study		
	College Code: PH		
C.	Department Code: PHAR		
D.	Credit Hours:		
	☐ Variable		
	⊠ Fixed		
E.	Minimum Credit Hours: 6		
F.	Maximum Credit Hours: 6		
G.	Hours may be repeated for additional credit:		
	⊠ No		
	☐ Yes – If yes, max times repeated: Click here t	:о е	nter text. OR max credits awarded: Click here to enter text.
Н.	Levels:		
	☐ Undergraduate		
	☐ Graduate		
	□ Professional		
١.	Grade Method:		
	☐ Credit/No Credit		
J.	Does the proposed course replace an equivalen	+ ~	Converse
J.	□ No	· L CC	ouise:
		ος.	A so dousis ADDE
	☐ Yes – If yes, enter equivalent course: PHAR 60		
v		se P	Prefix, Number – Course Title
	Term(s) Offered: Fall, Spring Max Section Enrollment: 40		
L.			
	Lecture: Lab: Click here to enter text.		
T-0	be completed by Academic Affairs Office: Standard:	- 0	Massives Coding and Consul Education Code
	Basic Skill (BS), ☐ General Education, ☐ Occupatio		-
	Dusic Skiii (20), 🗀 General Education, 🗀 George		
UCO	C Chair Signature & Date:		Academic Affairs Approval Signature & Date:
00.	o Grian organical a Date.		/todde/mo/mans/Approval signature & Sater
OF	FICE OF THE REGISTRAR USE ONLY		
_	ite Rec'd: Date Completed:	_	
	tered: □SCACRSE, □SCADETL, □SCARRES, □SCAP.	REC	<u></u>
	<u> </u>		•

PHAR 851 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{\Box}$ Modify, or $oxed{\Box}$ delete

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 851: Drug Information APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

CURRENT					PROPOSED							
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
						PHAR	851	40				
Title: (Click here	to enter t	ext.			Title: D	rug Inforr	nation AF	PE			
Credi	it Hours	Prereq	uisites	rec	Co- quisites	Credi	t Hours	Prereq	uisites		Co-requisites	
							6					
Course	e/Catalog	Description	on <i>(125 w</i>	ords)		Course	/Catalog [Descriptio	n <i>(125 w</i>	ords)		
	ere to ent				profession responsion evaluation didactic further communication professional response respons	The student will be responsible for answering questions from health care professionals in the setting of a formal Drug Information Center. Additional responsibilities may include preparing newsletter articles and writing drug evaluations for a pharmacy and therapeutics committee. Skills from previous didactic courses in searching, analyzing, and summarizing literature will be further developed. Emphasis will be placed on enhancing oral and written communication skills in answering drug information inquiries.						
Course	e Outcome	es and Ass	sessment	Plan			Outcome					
CIICK N	ere to ent	er text.				impact of managem 2. Evaluar appropria families, a therapeu 3. Interpriand imple achieve d 4. Develo when apparamete 5. Provide 6. Predict 7. Identiff 8. Make r (including 9. Identiff relevant I pharmaci 10. Write computer teachers 11. Exhib rapport a interactic 12. Use w	the response nent te and interprete media to 1 and other involved its decisions. The properties of the	et profession communications et profession communication and discuss t int-specific ar nes ed outcomes de appropria ent education report drug- gent care pro ions on the a USP standar egligence law claw that is r curately and munications I respectful a lating with th	and, lay and sate drug info care provided the application of the appli	cientific rmation or s and 2 con of datation-base mana osage for care olems an ant to the preparational malaping the gapprops, health demonstand/or ca	g information request and the lation-based disease literature and identify effectively to patients, their) make evidence-based ta/evidence needed to formulate sed disease management plan to gement plan for the patient wrm(s), cost and monitoring givers when applicable d medical errors see patient when applicable ion, storage, and quality control on made in a pharmacy practice; and interpret all see common law duties of a wriate data, language, media and a professionals, peers, and trate empathy while establishing regiver, including multicultural and media creatively to convey	

Effective Fall 2016

_					
			13. Effectively communicate (verbally or written) drug, non-dru at an appropriate level for patients and healthcare professiona	-	
			responding to specific questions		
			14. Use active listening techniques during any verbal exchange15. Assess the target audience to ensure the correct message verbal		
			16. Apply effective communication skills in inter-professional re		
			the clinical, economic, and humanistic outcomes of patients.		
			17. Use appropriate persuasion techniques when providing rec patients, educators, peers and other health care providers	ommendatio	ons to
			18. Systematically gather and record relevant information (e.g.	., read, listen	, observe,
			recall and reflect)		
			 Identify realistic outcomes and construct criteria for evalua Frame problems and solutions within appropriate social, so 		
			intellectual, and ethical contexts and modify solutions when m		
			need.	rds	
			21. Prioritize problems based on identifiable criteria or standar 22. Synthesize information and create a solution, hypothesize,		isions,
			conjecture alternatives and/or decide a course of action while	providing su	pport for the
			results presented and solutions recommend 23. Develop interdisciplinary approaches to problem analysis.		
			24. Display openness to new ideas and a tolerance for ambigui	ty and incom	npleteness.
			25. Formulate strategies to address performance areas in need		
			remediation and initiate action to correct identified errors or le prompting.	sarriing unnic	Luitles Without
			26. Display professionalism in pharmacy practice.		
			27. Regularly self-assess learning needs for ongoing personal a28. Engage in activities on a regular ongoing basis for profession	-	-
			29. Employ ethical principles and a systematic decision making	-	
			dilemmas within complex personal, societal, and professional s		acro of the
			Assessment: Assessment: Students will be assessed usin following methods: direct observation of the student du	•	
			examinations, written assignments, oral presentations a	_	
_			discussions.		
	ourse Outline including Time Allocation		Course Outline including Time Allocation	TIME (HRS)	
C	ick here to enter text.		Experiential rotation (40 hours per week) TOTAL	240 240	
A.	If not LEC/LAB/SEM, Check box as appropriate [Sec	– e Definitions in Appendix E]:		
	☑ Practicum				
	☐ Independent Study				
В.	College Code: PH				
C.	Department Code: PHAR				
D.	Credit Hours:				
	☐ Variable				
E.	Minimum Credit Hours: 6				
F.	Maximum Credit Hours: 6				
G.	Hours may be repeated for additional credit:				
	⊠ No				
	☐ Yes – If yes, max times repeated: Click here t	to e	enter text. OR max credits awarded: Click here	to enter	text.
Н.	Levels:				
	☐ Undergraduate				
	☐ Graduate				
	□ Professional				
I.	Grade Method:				
	☐ Credit/No Credit				

J. Does the proposed course replace an equivalent course?

301

	□ No		
	⊠ Yes – If yes, enter equivalent course: PHAR 606: Dru	g Information APPE	
	Course Prefix	x, Number – Course Title	
K.	Term(s) Offered: Fall, Spring		
L.	Max Section Enrollment: 40		
	Lecture:		
	Lab: Click here to enter text.		
To	o be completed by Academic Affairs Office: Standards & Mea	sures Coding and General Education Code	
	o be completed by Academic Affairs Office: $oxed{Standards}$ $oxed{Standards}$ Basic $oxed{Skill}$ (BS), $oxed{Standards}$ General Education, $oxed{Standards}$ Occupational Edu	_	
		_	
	Basic Skill (BS), ☐ General Education, ☐ Occupational Edu	cation, Gen Ed. Codes:	
UC	Basic Skill (BS), ☐ General Education, ☐ Occupational Edu C Chair Signature & Date: FFICE OF THE REGISTRAR USE ONLY	Academic Affairs Approval Signature & Date:	
UC	Basic Skill (BS), ☐ General Education, ☐ Occupational Edu C Chair Signature & Date:	Academic Affairs Approval Signature & Date:	

Effective Fall 2016

PHAR 852 Course Information Form (formerly Form E and Form F)

ı.	ACT	'ION	TO	BE	TAI	KEN:
----	------------	------	----	----	-----	------

\boxtimes	CREATE	, 🗆	MODIFY	, OR		DELETE
-------------	--------	-----	--------	------	--	--------

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 852: Prof Organization Manage APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		PROPOSED								
Prefix Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar
					PHAR	852	40			
Title: Click here	to enter t	ext.			Title: P	rof Organ	ization M	anage AP	PE	
Credit Hours	Prerec	uisites	red	Co- quisites	Credi	t Hours	Prereq	uisites		Co-requisites
						6				
Course/Catalo	Descripti	on <i>(125 w</i>	ords)		Course	/Catalog I	Descriptio	n <i>(125 wc</i>	ords)	
Course Outcor Click here to e	nter text.				This exproprofession organizators profession organizators care profession organizators organizat	eriential couponal organizations and fefessions. Add self-reng activities projects, per ment of the Outcome of the application of the end interesting. The setting of the end interesting of the end interesti	rise will foc ations' stru- ideral, state ditionally, g egulatory m of the orga- rofessional professional es and Ass ation of stu- education repret profes rent roles a accurately a king, data, n th peers and sitivity and the audience to iately, and in outcomes the fairness, sig formation and ure alternation and ure alternation and ure alternations at the state of the mation and ure alternations.	us in the arctures, response and local legovernance lethods will nization to meeting places. lessment dy results residently continued in the approximation of the arcture and the correct hrough pringing gnificance, and its sour leas and a tocreate a soutives, or decreate a soutives.	eas of ponsibilities which anning, plan elevant propries and scientific computation, cited a conference currence.	pharmacy or health-related lities of professional ve issues related to the health-fessions, through legislative vered. Students will participate they are assigned including pharmacy advocacy and to the practice setting. The content entific literature relevant to the sof professional and technical communications with peers and ters creatively to assist in multicultural interactions and cot message was received. The completeness, and the for ambiguity and the protection of action. The course of action. The course of action to correct the said with the course of action.

				Effective F	Fall 2016
			15. Display professionalism in pharmacy practice.		
			16. Employ ethical principles and a systematic decision-mathical dilumnas within complex personal, societal, and p		
			ethical dilemmas within complex personal, societal, and p Assessment: Assessment: Students will be assessed using		
			following methods: direct observation of the student duri		
			examinations, written assignments, oral presentations and		
Ļ		\bot	discussions.		
	ourse Outline including Time Allocation	4	Course Outline including Time Allocation	muse (une)	
CI	lick here to enter text.		TOPIC Experiential rotation (40 hours per week) TOTAL	TIME (HRS) 240 240	
Λ	If not LEC/LAB/SEM, Check box as appropriate	م ا (م			
Λ.	☐ Practicum	: [30	e Dejinicions in Appendix Lj.		
	☐ Independent Study				
В.					
C.	1				
υ.	Credit Hours:				
	☐ Variable				
	⊠ Fixed				
E.	Minimum Credit Hours: 6				
F.	Maximum Credit Hours: 6				
G.	Hours may be repeated for additional credit:				
	⊠ No				
	☐ Yes – If yes, max times repeated: Click here	to	enter text. OR max credits awarded: Click here to	enter text.	
Н.	Levels:				
	☐ Undergraduate				
	☐ Graduate				
	□ Professional □ Pr				
1.	Grade Method:				
••	Standard Letter Grading				
	_				
	☐ Credit/No Credit				
J.	Does the proposed course replace an equivale	int c	course?		
	□ No				
		ırse	Prefix, Number – Course Title		
	Term(s) Offered: Fall, Spring				
L.	Max Section Enrollment: 40				
	Lecture:				
	Lab: Click here to enter text.				
	o be completed by Academic Affairs Office: Standar				
	Basic Skill (BS), ☐ General Education, ☐ Occupat	lUlia	il Education, Gen Ed. Codes.		
וור	C Chair Signature & Date:		Academic Affairs Approval Signature 8	Q. Dato.	
UC	C Clidii Signature & Date.		Academic Amans Approval Signature	χ υαιε.	
					
	FFICE OF THE REGISTRAR USE ONLY				
	ate Rec'd: Date Completed:				
	ntered: \[\sum_SCACRSE, \sum_SCADETL, \sum_SCARRES, \sum_SCA				
	, , , , , , , , , , , , , , , , , , , ,				

PHAR 853 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{\Box}$ Modify, or $oxed{\Box}$ delete

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 853: Community Mgmt APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

CURRENT				PROPOSED							
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar
						PHAR	853	40			
Title: 0	Click here	to enter t	ext.			Title: C	Community	y Mgmt A	PPE		
Credi	t Hours	Prereq	uisites	rec	Co- quisites	Credit Hours		Prereq	uisites		Co-requisites
							6				
Course	e/Catalog	Description	on <i>(125 w</i>	ords)		Course	/Catalog [Descriptio	n <i>(125 wc</i>	ords)	
	ere to ent		sessment	: Plan		owning a facets of leadersh business	a communit f community	y pharmacy y pharmacy ocess and quent, and staf	The rotati practice an ality improfered feducation	ion will id focus ovemer n.	principles in managing or also expose the student to all s on interpersonal skills, nt, personnel management,
Click h	ere to ent	er text.				1. State ritheir busion for service 2. Describ personne 4. List the system for problem. 5. Recommand logist practices 6. Recompharmacy 7. Using ror service other pro 8. Plan as 9. Employ pharmacy 10. Critique related to human retechnologistics (12. Write patients, 13. Use discribed in the services of	elevant metri- iness plan, op es. be the import- be the different e advantages a or the manage tics managem setting. mend informa y services, pro- marketing prine e with conside oviders. simple project y fundamenta y operation. ue contempo to the safety ar esources (prof gies. ue contempo supply chain in and speak ap health profes	cs that assist erational bud ant principles and roles and ritype of pharmand disadvan ement of a special intervenient with contact stools the duct distribunciples develoration of segut related to a l contract laviarry pharmac and efficiency fessional and propriately, sionals, peer and computers and computers and computers.	the pharmac dget, prescrip s of time and responsibilition macy operatic tages of relections to add sideration of at are relevantion and head op a plan for ments of the pharmacy of v principles in cy distribution of prescription technical), in cy service del c). accurately and s and teache	cy mana otion be I project es of pro- ons. evant he t (e.g., pro- ress issue f the uni- nt to the any cor e marke peration n mana in system on dispending livery sy- nd clear	ager in identifying the success of mefit plan contracts and delivery management. of professional and technical alth care and drug distribution professional and resource, financial ique characteristics of the electrices. The delivery of patient centered electrices. The professional and payers, patients and mall change or implementation. In the support of a mestion of a mestion and optimal utilization of a the use of automated electrices.

Effective Fall 2016

			14. Exhibit a caring and respectful attitude and demonstrate empatrapport and communicating with the patients and/or caregiver, incomulticultural interactions. 15. Use active listening techniques during any verbal exchange of in 16. Use conflict resolution when managing human resources. 17. Frame problems and solutions within appropriate social, scienti intellectual, and ethical contexts. Modify solutions when monitorin 18. Display openness to new ideas and a tolerance for ambiguity at 19. Prioritize problems based on identifiable criteria or standards. 20. Synthesize information and create a solution, hypothesize, draw conjecture alternatives, or decide a course of action. 21. Provide support for arguments, solutions and results. 22. Display an appreciation / respect for the legal system. 23. Evaluate the role of leadership and leadership styles on health opharmacy management and pharmacy systems design. 24. Display professionalism in pharmacy practice. 25. Employ ethical principles and a systematic decision making prodilemmas within complex personal, societal and professional situat Assessment: Assessment: Students will be assessed using of following methods: direct observation of the student during examinations, written assignments, oral presentations and discussions.	thy while estimation in the control of the control	in I, a need. eteness. ns, tion, olve ethical e of the ivities,
Co	ourse Outline including Time Allocation		Course Outline including Time Allocation		
Cl	ick here to enter text.		TOPIC Experiential rotation (40 hours per week)	TIME (HRS) 240	
			TOTAL	240	J
A.	If not LEC/LAB/SEM, Check box as appropriate [So	ee	Definitions in Appendix EJ:		
	☐ Practicum				
_	☐ Independent Study				
В.	College Code: PH				
C.	Department Code: PHAR				
D.	Credit Hours:				
	☐ Variable				
	⊠ Fixed				
E.	Minimum Credit Hours: 6				
F.	Maximum Credit Hours: 6				
G.	Hours may be repeated for additional credit:				
	⊠ No				
		е	enter text. OR max credits awarded: Click here to	enter te	xt.
Н.	Levels:				
	☐ Undergraduate				
	Graduate				
	□ Professional				
I.	Grade Method:				
	☐ Credit/No Credit				
J.	Does the proposed course replace an equivalent	C	ourse?		
	□ No				
	⊠ Yes – If yes, enter equivalent course: PHAR 61		, -		
		e F	Prefix, Number – Course Title		
K.	Term(s) Offered: Fall, Spring				
L.	Max Section Enrollment: 40				
	Lecture:				
	Lab: Click here to enter text.				

Effective Fall 2016

To be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code ☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed. Codes:									
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
OFFICE OF THE REGISTRAR USE ONLY									
Date Rec'd: Date Completed:									
Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ									

PHAR 854 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{oxed}$ Modify, or $oxed{oxed}$ delete

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 854: Hospital Pharmacy Admin APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		PROPOSED									
Prefix Number	Contact Hours	Lecture	Lab	Semi nar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar
						PHAR	854	40			
Title: Click here to enter text.						Title: Hospital Pharmacy Admin APPE					
Credit Hours Prerequisites Co- requisites				Credit Hours		Prerequisites		Co-requisites			
						6	5				
Course/Catalog Description (125 words)						Course/C	Catalog De	scription	(125 word	ls)	
Click here to enter text.						This elective rotation will provide students with experience in the administrative aspects of health system pharmacy operations as well as administrative considerations in clinical pharmacy practice.					
Course Outcomes and Assessment Plan						Course Outcomes and Assessment Plan					
Course Outcomes and Assessment Plan Click here to enter text.											

		Effective Fall 2016					
		p. Employ ethical principles and a systematic decision making process to resolve					
		ethical dilemmas within complex personal, societal, and professional situations. Assessment: Outcome based rubric.					
		Assessment: Assessment: Students will be assessed using one or more of the					
		following methods: direct observation of the student during APPE activities,					
		examinations, written assignments, oral presentations and focused, group discussions.					
C	ourse Outline including Time Allocation	Course Outline including Time Allocation					
Cl	lick here to enter text.	TOPIC TIME (HRS) Experiential rotation (40 hours per week) 240					
		TOTAL 240					
A.	If not LEC/LAB/SEM, Check box as appropriate	[See Definitions in Appendix E]:					
	□ Practicum						
	☐ Independent Study						
В.	College Code: PH						
C.	Department Code: PHAR						
D.	Credit Hours:						
	☐ Variable						
	⊠ Fixed						
E.	Minimum Credit Hours: 6						
F.	Maximum Credit Hours: 6						
G.	Hours may be repeated for additional credit:						
	, . ⊠ No						
	☐ Yes – If yes, max times repeated: Click here	to enter text. OR max credits awarded: Click here to enter text.					
Н.	Levels:6						
	☐ Undergraduate						
	☐ Graduate						
	□ Professional						
١.	Grade Method:						
١.	✓ Standard Letter Grading						
	☐ Credit/No Credit						
	•						
J.	Does the proposed course replace an equivale	nt course?					
	□ No						
	✓ Yes – If yes, enter equivalent course: PHAR (517: Hospital Pharmacy Admin APPL					
	Term(s) Offered: Fall, Spring						
L.	Max Section Enrollment: 40						
	Lecture:						
_	Lab: Click here to enter text.						
	o be completed by Academic Affairs Office: Standard 🛘 Basic Skill (BS), 🗖 General Education, 🗖 Occupati	ds & Measures Coding and General Education Code					
	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:					
	C Chair Signature & Date.	Academic Arians Approval signature & Date.					
0	OFFICE OF THE REGISTRAR USE ONLY						
	rate Rec'd: Date Completed:						
	ntered: TSCACRSE TSCADETI TSCARRES TSCA	DRECO					

PHAR 855 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{\Box}$ Modify, or $oxed{\Box}$ delete

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 855: Managed Care APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

	CURR	ENT			PROPOSED							
Prefix Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar		
					PHAR	855	40					
Title: Click here	to enter t	ext.	,		Title: N	/Janaged C	Care APPE					
Credit Hours	Credit Hours Prerequisites Co- requisites		Credi	t Hours	Prerec	uisites		Co-requisites				
				•		6						
Course/Catalog	Description	on <i>(125 w</i>	ords)		Course	/Catalog I	Description	n <i>(125 wc</i>	ords)			
Click here to en	ter text.		-		This electrons manage exposed academ	ctive rotation d care unde l to a broad	n is designe r the directi range of ex provider an	d to introdu ve of pharr periences s	uce the nacy se uch as f	students to the world of ervices. The student will be formulary management, ion, patient profile reviews,		
Course Outcom	es and As	sessment	Plan		Course	Outcome	es and Ass	sessment	Plan			
Course Outcomes and Assessment Plan Click here to enter text.						based on pheration, staboret and price t-specific and desired out of the stab of the application system of the appropriate and speak actions are appropriated by the appropriated and speak actions, health at a, media, a arofessionals appropriated or vely educated.	armacother armacother illity, incomportize data/id/or population of students and disaction of students and disaction of students and disaction of students are programmed fic programmed pharmacessary priate pharmacession and computation, peers and iately with serbal) to que and/or congulation of the students are propriated and propriated are propriated and computation of the students are appropriated as to new idea.	rapy, age, dipatibility, and evidence not ation-based dy results to ance patient dyantages of agement or m. On and use as that a patient-special accoeconomic enefit admit dearly and complete the accordance of the	isease, nd cost eeded to disease of expant adher of relevation of fede ient working for a special inistrative and tead to in combinity of the federal to each of	to formulate and implement e management plan to inded patient populations. ence ant health care and drug cific patient (e.g., pediatric, ral, state and private ould access for indigent care rameters. to the situation, as relevant ion.		

		Effective Fall 2016
		o. Employ ethical principles and a systematic decision making process to
		resolve ethical dilemmas within complex personal, societal, and professional situations.
		Assessment: Assessment: Students will be assessed using one or more of the
		following methods: direct observation of the student during APPE activities,
		examinations, written assignments, oral presentations and focused, group
L	0 11 1 11 - 11	discussions.
_	ourse Outline including Time Allocation	Course Outline including Time Allocation
С	lick here to enter text.	TOPIC TIME (HRS) Experiential rotation (40 hours per week) 240
Ļ		TOTAL 240
A.	If not LEC/LAB/SEM, Check box as appropriate [5]	See Definitions in Appendix E]:
	□ Practicum	
	☐ Independent Study	
В.	College Code: PH	
C.	Department Code: PHAR	
D.	Credit Hours:	
	☐ Variable	
	⊠ Fixed	
Ε.	Minimum Credit Hours: 6	
F.		
	Hours may be repeated for additional credit:	
О.	No	
	—	to output tout OD many quadita avenued de Clieb have to output tout
		to enter text. OR max credits awarded: Click here to enter text.
н.	Levels:	
	☐ Undergraduate	
	☐ Graduate	
	□ Professional	
I.	Grade Method:	
	Standard Letter Grading	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent	nt course?
	□ No	
		18: Managed Care APPF
	•	rse Prefix, Number – Course Title
K.	Term(s) Offered: Fall, Spring	se rrejny rumber course rule
L.	Max Section Enrollment: 40	
	Lecture:	
	Lab: Click here to enter text.	
T-7	o be completed by Academic Affairs Office: Standards	s & Massuras Coding and General Education Code
	(20), = 0000000000000000000000000000000000	
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
		, , , , , , , , , , , , , , , , , , ,
0	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
	ntered: 🗆 SCACRSE, 🗆 SCADETL, 🗇 SCARRES, 🗀 SCAPP	'REQ

PHAR 856 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

\boxtimes	CREATE,	\square MODIFY, OR	□ DELETI

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 856: Spec Comm Practice APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

	CURRENT							PROPOSED								
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar				
							PHAR	856	40							
Title: C	lick here	to enter t	ext.				Title: S	pec Comn	n Practice	APPE						
Credit	t Hours	Prereq	uisites	rec	Co- quisites		Credi	t Hours	Prereq	uisites		Co-requisites				
								6								
Course	/Catalog	Description	on <i>(125 w</i>	ords)			Course	/Catalog [Descriptio	n <i>(125 wc</i>	ords)					
	ere to ent		sessment			The Specialized Areas of Community Pharmacy APPE will provide the student an opportunity to refine basic and develop advanced skills needed for the delivery of patient-centered pharmacy services in the community setting. This rotation provides additional experience in unique community pharmacy practice settings such as specialty, compounding, health center, independent or hospital-based pharmacies. Course Outcomes and Assessment Plan										
Course Outcomes and Assessment Plan Click here to enter text.							1. Select t pharmacc compatib 2. Discuss encounte 3. Evaluat 4. Develo 5. Use vai 6. Provide history th 7. Deliver providers 8. Develo 9. Accura 10. Read correct in services p 11. Make (including 12. Exhibi rapport a 13. Apply clinical, e 14. Educa medical g 15. Syster and reflect informati	the most appipotherapy, age officed disease so the appropriate appropriate an education at the appropriate and contained disease so the appropriate and education at the appropriate and interpretained are recommended to the appropriate are recommended at the appropriate and communicate and communicate and communicate and communicate and conditions and attentions, and attentions and developments, and attentions and developments, and attentions and developments and developments.	ropriate drug , disease, bio . ysiology and tates. riateness of pg plan that e s to enhance triage of pat erral to anot hal presentati I materials or and dispense DUR messag utcome code stions on the USP standar I respectful a tating with pa nmunication humanistic of aregivers or cices to ensur ter and recor irness, signifil urces.	delivery dos equivalence, pharmacoth patients' ther valuates ach patient adhe ient problem her healthca ion designed other tools e prescription es, determin s for tracking appropriate ds) for any p ttitude and c stilents and/c skills in inter putcomes of health care p te effective u d relevant in cance, releva	erapeutic rapeutic rapeutic rapeutic rapeutic reperence reprovi for pha for use the reparatic demonst or caregi profess patients roviders se. formatic ance, co	on signs, symptoms and a patient der. rmacists and other health care by the site. pounds, and alternative products. priate responses, and enter cumentation of patient care ation, storage and quality control on made in a pharmacy. trate empathy while establishing vers. sional relationships to improve the				

		Effective Fall 2016
		18. Employ the principles that are integral to patient-centered care and the profession (e.g., honesty, justice, empathy, altruism, compassion, autonomy).
		Assessment: Assessment: Students will be assessed using one or more of the
		following methods: direct observation of the student during APPE activities,
		examinations, written assignments, oral presentations and focused, group discussions.
C	ourse Outline including Time Allocation	Course Outline including Time Allocation
С	lick here to enter text.	TOPIC TIME (HRS) Experiential rotation (40 hours per week) 240
		TOTAL 240
A.	If not LEC/LAB/SEM, Check box as appropriate	[See Definitions in Appendix E]:
	□ Practicum	
	☐ Independent Study	
В.	College Code: PH	
C.	Department Code: PHAR	
D.	Credit Hours:	
	☐ Variable	
	⊠ Fixed	
E.	Minimum Credit Hours: 6	
F.	Maximum Credit Hours: 6	
G.	Hours may be repeated for additional credit:	
	, , ,	
	Yes – If yes, max times repeated: Click here	to enter text. OR max credits awarded: Click here to enter text.
н	Levels:	to enter texti en max oreate and accuration nerve to enter texti
• • •	☐ Undergraduate	
	☐ Graduate	
	☑ Professional	
I.	Grade Method:	
	Standard Letter Grading □	
	☐ Credit/No Credit	
J.	Does the proposed course replace an equivalent	nt course?
	□ No	
	⊠ Yes – If yes, enter equivalent course: PHAR 6	325: Spec Comm Practice APPE
	Cou	rse Prefix, Number – Course Title
K.	Term(s) Offered: Fall, Spring	
L.	Max Section Enrollment: 40	
	Lecture:	
	Lab: Click here to enter text.	
	be completed by Academic Affairs Office: Standard	
	ceil Basic Skill (BS), $ ho$ General Education, $ ho$ Occupation	onal Education, Gen Ed. Codes:
HC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
UC	C Chair Signature & Date.	Academic Arians Approval Signature & Date.
0	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
Eı	ntered: 🗆 SCACRSE, 🗆 SCADETL, 🗀 SCARRES, 🗀 SCAI	PREQ

PHAR 857 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{oxed}$ Modify, or $oxed{oxed}$ delete

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 857: Veterinary Medicine APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

CURRENT					PROPOSED							
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
						PHAR	857	40				
	Click here	to enter t	ext.	1		Title: V	eterinary	Medicine	APPE			
Credi	Credit Hours Prerequisites Co- requisites		Credi	t Hours	Prereq	uisites		Co-requisites				
							6					
Course	e/Catalog	Description	on <i>(125 w</i>	ords)		Course	/Catalog I	Descriptio	n <i>(125 wc</i>	ords)		
Course		es and As	sessment		veterina patients surgery, gain an veterina specific	ry pharmacy . Students we and international	y and the phy ill be exposed in the phy ill be exposed in the phy indicate in the phy	nysiology ared to patien both largonarmacy seresty with the managessment	nd path nt-care e and s rvices a unique gement Plan			
Course Outcomes and Assessment Plan Click here to enter text.						1. Calculate equivalent dosages for drug products which vary according to their manufacturer, delivery system, route of administration and/or salt form. 2. Select the most appropriate drug delivery dosage form/device for the patient 3. Develop and implement a patient-specific disease management plan. 4. Apply pharmaceutical sciences, pathophysiology, pharmacokinetics and pharmacotherapy to individual patients. 5. Effectively collaborate with and communicate with prescribers, patient care givers, and other involved health care providers to engender a team approach to patient care 6. Retrieve, interpret, analyze, evaluate and apply appropriate data or evidence needed to formulate and implement a patient-specific disease management plan. 7. Integrate physical assessment into the patient-specific disease management plan. 8. Assess the utility and accuracy of a response to a drug information request and the impact of the response on patient-specific disease management 9. Predict and prevent drug-related problems and medical errors. 10. Write and speak accurately, effectively and at the appropriate level during all communications with patient care givers, health professionals, peers and teachers. 11. Use writing, speaking, data, media, and computers to assist in communications with patient care givers, health professionals, peers and teachers. 12. Demonstrate sensitivity, caring, respect and tolerance in all communications. 13. Gather, organize, document and evaluate information in order to provide patient-specific disease management. 14. Display professionalism in pharmacy practice. 15. Employ the principles that are integral to patient-centered care and the profession (e.g., honesty, justice, empathy, altruism, compassion, autonomy). 16. Employ ethical principles and a systematic decision making process to resolve ethical dilemmas within complex personal, societal, and professional situations. Assessment: Assessment: Students will be assessed using one or more of the followin						
	e Outline i ere to ent		IIme Allo	catior	1	Course	Outline ii	ncluding 1	ıme Allo	cation	TIME (HRS)	
CHEKII	iere to elli	ei iexi.					I rotation (40 hours	per week)			240 240	

A.	If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:
	□ Practicum
	☐ Independent Study
В.	College Code: PH
C.	Department Code: PHAR
D.	Credit Hours:
	□ Variable
	□ Fixed □
Ε.	Minimum Credit Hours: 6
F.	Maximum Credit Hours: 6
G.	Hours may be repeated for additional credit:
	⊠ No
	☐ Yes — If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text.
Н.	Levels:
	☐ Undergraduate
	☐ Graduate
	□ Professional
I.	Grade Method:
	Standard Letter Grading
	☐ Credit/No Credit
J.	Does the proposed course replace an equivalent course?
	□ No
	☑ Yes – If yes, enter equivalent course: PHAR 626: Veterinary Medicine APPE
	Course Prefix, Number – Course Title
K.	Term(s) Offered: Fall, Spring
L.	Max Section Enrollment: 40
	Lecture:
	Lab: Click here to enter text.
	b be completed by Academic Affairs Office: Standards & Measures Coding and General Education Code
	Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed. Codes:
UC	C Chair Signature & Date: Academic Affairs Approval Signature & Date:
	
0	FFICE OF THE REGISTRAR USE ONLY
	ate Rec'd: Date Completed:
Er	ntered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ

PHAR 858 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{oxed}$ Modify, or $oxed{oxed}$ delete

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 858: Nuclear Pharmacy APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		CURR	ENT			PROPOSED							
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
							PHAR	858	40				
Title:	Click here	to enter t	ext.				Title: N	luclear Ph	armacy A	PPE			
Cred	it Hours	Prerec	uisites	red	Co- quisites		Credi	t Hours	Prerec	uisites		Co-requisites	
								6					
Course	e/Catalog	Description	on <i>(125 w</i>	ords)			Course	/Catalog I	Description	on <i>(125 wc</i>	ords)		
	nere to ent		sessment			applicati various of safety, q student contrain student possibly effective	ion of radiop diseases stat quality contr will become dications, a will experier animals. Fir	oharmaceut tes. The stu ol, and prod familiar wi nd drug inte nce procedo nally, the co h imaging n	cicals in diag dent will ga duct prepar th the phar eractions of ural protoco urse will str nodality in t	gnostic ain know ation o macolo each rools ols of no ress the	ent an understanding of the imaging and treatment of wledge of basic radiation f radiopharmaceuticals. The pgy, mechanism of action, adiopharmaceutical. The uclear imaging in humans and e appropriateness and cost lth care system.		
							1. Apply p	oharmaceutic	al sciences, p	athophysiolo		rmacokinetics and	
Course Outcomes and Assessment Plan Click here to enter text.							2. Provide professio 3. Predict 4. Describ personne 6. Make r for any professio 3. Predict 8. Plan a 9. Employ pharmacy 10. Critique 10. Critique 10. Critique 11. Write patients, 12. Use was patients, 13. Responsed. 14. Gather 15. Assession inform 16. Displating 17. Evaluation 19. Displating 19. Displatin	nals. and prevent be the import be the different recommendat reparation ma mend relevar pharmacy set simple projec y fundamenta y operation. ue contempo supply chain and speak ac health profes yriting, speaki health profes ond appropriat er, organize, d s accuracy, fa ation and its ay openness t ate and apply ppropriate te ay professiona	ucation with drug-related ant principles nt roles and r type of pharr cions on the a ade in a phar nt informatics rvices, produ t related to a al contract lav rary pharmac management curately, effe sionals, peer sionals, peer tely, and in t locument and irness, signifi sources. o new ideas a literature to chnology to a alism in phari	the appropri	nd medial project es of proons and preparation and re peration n manage livery sy clearly dirs. puters tirs. promat (will evant in ance, conce for a widence mation. e.	management. ofessional and technical clinical micro-systems. ion, storage and quality control ant to the delivery of patient elevant health care services. nal change or implementation. ging different aspects of a stems for the appropriate use of uring all communications with o assist in communications with rritten or verbal) to questions information impleteness, and persuasiveness mbiguity and incompleteness. based recommendations.	

			Effective Fall 2016
			Assessment: Assessment: Students will be assessed using one or more of the following methods: direct observation of the student during APPE activities, examinations, written assignments, oral presentations and focused, group discussions.
C	ourse Outline including Time Allocation		Course Outline including Time Allocation
С	lick here to enter text.		TOPIC
Ā.	If not LEC/LAB/SEM, Check box as appropriate	[Se	e Definitions in Appendix E]:
	☑ Practicum		
	☐ Independent Study		
В.			
C.	Department Code: PHAR		
D.	Credit Hours:		
	☐ Variable		
	⊠ Fixed		
Ε.	Minimum Credit Hours: 6		
F.	Maximum Credit Hours: 6		
G.	Hours may be repeated for additional credit:		
	⊠ No		
	\square Yes – If yes, max times repeated: Click here	to	enter text. OR max credits awarded: Click here to enter text.
Н.	Levels:		
	☐ Undergraduate		
	☐ Graduate		
	☑ Professional		
l.	Grade Method:		
	☐ Credit/No Credit		
J.	Does the proposed course replace an equivale	nt c	course?
	□ No		
		628	: Nuclear Pharmacy APPE
K.	Term(s) Offered: Fall, Spring		
L.	Max Section Enrollment: 40		
	Lecture:		
	Lab: Click here to enter text.		
	o be completed by Academic Affairs Office: Standar		
	Basic Skill (BS), ☐ General Education, ☐ Occupati	ona	
UC	CC Chair Signature & Date:		Academic Affairs Approval Signature & Date:
0	OFFICE OF THE REGISTRAR USE ONLY		
D	ate Rec'd: Date Completed:		
Eı	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCA	PRE	Q

PHAR 859 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

\boxtimes	CREATE,	\square MODIFY, OR	□ DELETI

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 859: Special Top Inpatient Med APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

CURRENT						PROPOSED							
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
							PHAR	859	40				
Title: (Click here	to enter t	ext.				Title: S	pecial Top	Inpatien	t Med AP	PE		
Credi	it Hours	Prereq	uisites	rec	Co- Juisites		Credit	t Hours	Prereq	uisites		Co-requisites	
								6					
Course	e/Catalog	Description	on <i>(125 w</i>	ords)			Course	/Catalog [Descriptio	n <i>(125 wc</i>	ords)		
	e Outcome		sessment			centered commun drug the	d care in an a nication, dru	acute/inpat g informati ment, and p	ient setting on provision atient/hea	g. Skills n, mon	rtunity to provide patient emphasized will be itoring of patient outcomes, provider education.		
Course Outcomes and Assessment Plan Click here to enter text.							formulate managem 2. Assess impact of 3. Write a communi 4. Use wripatients, 5. Contrib 6. Demon 7. Gather, specific at 8. Select t 9. Develop managem 10. Effect other invo 11. Provicin patient 12. Integr disease m 13. Calcul manufact 14. Identiformulate 15. Emplo (e.g. hone profession 16. Provicin 17. Integrate 17. Emplo (e.g. hone profession 16. Provicin 18. Emplo (e.g. hone profession 16. Provicin 19. Emplo (e.g. hone profession 19. Emp	e and implement plan the utility and the response and speak acc cations with p iting, speakin, health profes bute opinions, istrate sensitir, organize, do nd populatior the most appr p and implement plan (incl ively collabor olde appropriate is and colleag rate physical a nanagement p late equivaler furer, delivery fy own areas e strategies to by the principle esty, justice, e nalism	ent a patient d accuracy of e on patient-s urately, effect patients, hea g, data, medi sionals, peer insights, info vity, caring, r cument and abased disea ropriate drug ment a patient late and comi care provider e and profess ues assessment in blan at dosages fo a system, rou of strengths address the les that are in empathy, altr	a response to specific and/outvely and at lith profession in and comp is and teached ormation and espect and to evaluate information and espect and to evaluate information and espect and to evaluate information in a delivery dostorous especific and ormanicate with its to engenders into the patient of administration and areas nesses areas; initintegral to particular, company in the patient in t	for population and and and and and and and and and an	ppriate data or evidence needed to ulation-based disease g information request and the lation-based disease management propriate level during all ers and teachers. The assist in communications with ship assertively and appropriately e in all communications in order to provide patient— The provide patient pulation-based disease int of pharmacotherapeutic goals) ribers, patients, care givers, and in approach to patient care tential or actual substance abuse fic and/or population-based in the vary according to their and/or salt form remediation; fon to correct identified areas intered care and the profession utonomy) and display or physicians, nurses, and other	

			Effective Fall 2016 Assessment: Assessment: Students will be assessed using one or more of the following								
			methods: direct observation of the student during APPE activities, examinations, written assignments, oral presentations and focused, group discussions.								
С	ourse Outline including Time Allocation		Course Outline including Time Allocation								
С	lick here to enter text.		TOPIC TIME (HRS) Experiential rotation (40 hours per week) 240								
			TOTAL 240								
A.	If not LEC/LAB/SEM, Check box as appropriate	[Se	ee Definitions in Appendix E]:								
	□ Practicum										
	☐ Independent Study										
В.	College Code: PH										
C.	Department Code: PHAR										
D.	Credit Hours:										
	☐ Variable										
	⊠ Fixed										
E.	Minimum Credit Hours: 6										
F.	Maximum Credit Hours: 6										
G.	Hours may be repeated for additional credit:										
	⊠ No										
		to	enter text. OR max credits awarded: Click here to enter text.								
Н.	Levels:										
	☐ Undergraduate										
	☐ Graduate										
	□ Professional										
I.	Grade Method:										
	Standard Letter Grading										
	☐ Credit/No Credit										
J.	Does the proposed course replace an equivale	Does the proposed course replace an equivalent course?									
	□ No										
		650	0: Special Top Inpatient Med APPE								
	Cou	rse	e Prefix, Number – Course Title								
K.	Term(s) Offered: Fall, Spring										
L.	Max Section Enrollment: 40										
	Lecture:										
	Lab: Click here to enter text.										
_											
	o be completed by Academic Affairs Office: Standard] Basic Skill (BS), 🗆 General Education, 🗖 Occupati		_								
	basic skill (bs), in deficial Education, in occupation	011	ai Luucation, Gen Lu. Coues.								
UC	C Chair Signature & Date:		Academic Affairs Approval Signature & Date:								
0	FFICE OF THE REGISTRAR USE ONLY										
	ate Rec'd: Date Completed:										
Ei	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAI	PRI	EQ								

PHAR 860 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{\Box}$ Modify, or $oxed{\Box}$ delete

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 860: Special Top Amb Care APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		CURR	ENT			PROPOSED						
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
						PHAR	860	40				
Title: (Click here	to enter t	ext.			Title: S	pecial Top	Amb Car	e APPE			
Credi	it Hours	Prereq	uisites	rec	Co- quisites	Credi	t Hours	Prereq	uisites		Co-requisites	
							6					
Course	Course/Catalog Description (125 words)						/Catalog [Descriptio	n <i>(125 w</i>	ords)		
Click here to enter text. Course Outcomes and Assessment Plan						patient of community drug the Practice care.	centered car nication, dru rapy assessi settings will Outcome	e in an amb g information ment, and p I include spe es and Ass	oulatory can on provisio patient/hea ecialty clinion essment	re settir n, mon Ith care cs as we	al opportunities to provide ng. Skills emphasized will be itoring of patient outcomes, e provider education. ell as general ambulatory	
Course Outcomes and Assessment Plan Click here to enter text.					based dis 2. Implen specific a 3. Provide 4. Provide ethical, a 5. List the to pharm 6. Comple pharmace 7. Demor performa data, mee 8. Demor communi use of da 9. Comm persuasiv the use o 10. Descr developir 11. Ident defensibl 12. Make ideas and 13. Recog learning t 14. Evalu	ease manage nent, monitor nd/or popular e emergency de health promind legal guide e obstacles to acy practice. If with relevant and be preparte basic conce in situation dia, and compastrate improvincation situation, media, and unicate clearly using a value collection state of data, media, ibe critical-thing solutions to fy and analyze e solutions, and decisions regulates withing the presonal and the personal an	ment. , evaluate, action-based dicare and develoition services dictions outcomes-based to successommunications involving outers when the based of computers, riety of methal, and computers of simple probe ideas and pand establish of carding compand a context of of values in pase of effectives and profession and professions.	ljust, docum sease managelop health per sin accordance in	ent and gement promotion ce with ity of call deriminable the assess the ening, we cation slading, list I with a viscientific necessing state that report is that report in the profess earning saccording saccording.	on services a social, professional, are for patients that are relevant all law related to the practice of a State of Michigan law exam. The quality of communication riting, speaking, and use of stening, writing, speaking, and onfidently, effectively and tening, writing, speaking, and variety of target at method and apply them in the group complexity, generate and solutions quire an integration of one's litural, and ethical issues ional interactions. Maximize		

			Effective Fall 2016
			15. Adopt or construct ethical principles and use them as a guide for one's actions.
			Complete learning activities on an ongoing basis for personal and professional development based upon self-determined areas of deficiency and/or interest
			Assessment: Assessment: Students will be assessed using one or more of the following
			methods: direct observation of the student during APPE activities, examinations,
	ourse Outline including Time Allocation	+-	written assignments, oral presentations and focused, group discussions. Course Outline including Time Allocation
-	lick here to enter text.	+	TOPIC TIME (HRS)
	nick here to enter text.		Experiential rotation (40 hours per week) 240 TOTAL 240
Δ	If not LEC/LAB/SEM, Check box as appropriate	[Se	Pe Definitions in Annendix Fl:
<i>,</i>	□ Practicum □ Pra	ĮJC	e Dejiintions in Appendix Lj.
_	☐ Independent Study		
В.	3		
C.	'		
υ.	Credit Hours:		
	☐ Variable —		
	⊠ Fixed		
E.	Minimum Credit Hours: 6		
F.	Maximum Credit Hours: 6		
G.	Hours may be repeated for additional credit:		
	⊠ No		
	\square Yes – If yes, max times repeated: Click here	to	enter text. OR max credits awarded: Click here to enter text.
Н.	Levels:		
	☐ Undergraduate		
	☐ Graduate		
	□ Professional		
I.	Grade Method:		
•			
	☐ Credit/No Credit		
	•		oourea?
J.	Does the proposed course replace an equivalent	nt (course?
	□ No		
	oxtimes Yes – If yes, enter equivalent course: PHAR 6		
		ırse	Prefix, Number – Course Title
K.	, , ,		
L.	Max Section Enrollment: 40		
	Lecture:		
	Lab: Click here to enter text.		
_			
	o be completed by Academic Affairs Office: Standard Basic Skill (BS), 🗆 General Education, 🗖 Occupation		_
UC	CC Chair Signature & Date:		Academic Affairs Approval Signature & Date:
0	PFFICE OF THE REGISTRAR USE ONLY		
D	ate Rec'd: Date Completed:		
Ei	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAI	PRE	:Q

PHAR 861 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{\Box}$ Modify, or $oxed{\Box}$ delete

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 861: Corporate Pharmacy MBA APPE

Course Prefix, Course Number - Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

CURRENT							PROPOSED						
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
							PHAR	861	40				
Title: Click here to enter text.							Title: C	orporate	Pharmacy	/ MBA AP	PE		
Credi	Credit Hours Prerequisites Co- requisites						Credi	t Hours	Prereq	uisites		Co-requisites	
								6					
Course	e/Catalog	Description	on <i>(125 w</i>	ords)			Course	/Catalog I	Descriptio	n <i>(125 wc</i>	ords)		
	ere to ent						experier organiza applied	nces in the cation that praining the setting in the	ulture, syste actices perf g of corpora	ems, structi ormance m ate pharma	ures, ar netrics l cy prac	provide students with and practices of pased management as ctice.	
			sessment	Plan				Outcome					
Click here to enter text.							2. Asses corporation and the Bala Criteria. 4. Asses corporation its performation facilitate 5. Asses needs an incorporation of the Bala incorporation and t	s and analyz tion and relates and analyz within the conced Scored sand analyz te structure, ormance, and analyz at sand analyz and satisfaction and analyz attional performance. The sand analyz attional performance and analyz attional performance, and analyz attional performance. The sand analyz attional performance and analyz attional performance. The sand analyz attional performance and analyz attional performance. The sand analyz attional performance and analyz attional performance.	e the long- ate them to e the perfo orporate str ard and the e the leade the leading d the impro o improvem e how the co on of its cus formation in e how the co ormance and ent: Students ect observati assignments,	and short-t current op- rmance me ucture and Malcolm E rship and st g and laggin vement sys- ent. corporation stomers, stanto its strat corporation d translates will be assession of the stu- oral present	erm per eration trics bar described aldriged trategion obtain also be all the trick and the trick are also be all the trick and the trick are also be all the trick are also be also be also be all the trick are also be also be also be also be all the trick are also be all the trick are also be al	on of the corporation. erformance goals of the s and initiatives. ased management be how it compares with e National Quality Award c planning system of the sures chosen to measure corporated that as information about the ders and markets and d tactical plans. ares and analyzes atto future improved and one or more of the uring APPE activities, and focused, group	
Course Outline including Time Allocation Click here to enter text.							TOPIC	Outline in		ime Allo	cation	TIME (HRS) 240 240	

A. If not LEC/L	LAB/SEM, Check b	ox as appropriate [See	Definitions in Appendix EJ
-----------------	------------------	------------------------	----------------------------

□ Practicum

☐ Independent Study

	B. Callana Carla Bill	Lifective Fail 2010
	B. College Code: PH	
	C. Department Code: PHAR	
υ.	D. Credit Hours:	
	☐ Variable	
	⊠ Fixed	
E.		
F.		
G.	G. Hours may be repeated for additional credit:	
	⊠ No	
	\square Yes – If yes, max times repeated: Click here to enter text. OI	max credits awarded: Click here to enter text.
Н.	H. Levels:	
	☐ Undergraduate	
	☐ Graduate	
	□ Professional	
١.	I. Grade Method:	
	☐ Credit/No Credit	
J.		
	□ No	
		harmacy MBA APPF
	Course Prefix, Number	•
Κ.	K. Term(s) Offered: Fall, Spring	
L.		
	Lecture:	
	Lab: Click here to enter text.	
	Edd offer refer to effect texts	
To	To be completed by Academic Affairs Office: Standards & Measures Co	ding and General Education Code
	\square Basic Skill (BS), \square General Education, \square Occupational Education, G	en Ed. Codes:
UC	UCC Chair Signature & Date: Ac	ademic Affairs Approval Signature & Date:
_	OFFICE OF THE REGISTRAR USE ONLY	
	Date Rec'd: Date Completed: Entered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ	
	LINETEU. LI SCACRSE, LI SCADETL, LI SCARRES, LI SCAPREQ	

PHAR 862 Course Information Form (formerly Form E and Form F)

ı.	AC.	TIO	Ν	TO	BE	TA	KEN:
----	-----	-----	---	----	----	----	------

\boxtimes	CREATE	, 🗆	MODIFY	OR		DELETI
-------------	--------	-----	--------	----	--	--------

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 862: Pharmaceutical Indust MBA APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

		CURR	ENT				PROPOSED						
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
							PHAR	862	40				
Title: (Click here	to enter t	ext.	•			Title: P	harmaceu	itical Indu	ist MBA A	PPE		
Credit Hours Prerequisites Co- requisites				t Hours	Prerec	uisites		Co-requisites					
								6					
Course	e/Catalog	Description	on <i>(125 w</i>	ords)				/Catalog I					
Click h	nere to ent	er text.					experier organiza	ices in the c	ulture, systo actices perf	ems, structi ormance m	ures, ai ietrics l	provide students with and practices of an pased management as atry.	
Course	e Outcom	es and Ass	sessment	Plan			Course	Outcome	es and Ass	essment	Plan		
Click here to enter text.						2. Assess corporat 3. Assess within th Scorecar 4. Assess corporat perform leadersh 5. Assess needs ar incorpor 6. Assess organiza perform Assessme methods:	s and analyztion and relates and analyztion and the Most and analyztion, the leatence, and thip improvers and analyztionates that instance and analyztional performance.	e the long- ate them to e the perfo on and deso Malcolm Bal- te the leade ding and lag- ne improver ment. e how the co- on of its cus formation in e how the co- rmance and	and short-t current op- rmance me cribe how it drige Nation rship and st aging measument syster corporation stomers, stanto its strat corporation d translates will be asses student duri	erm pereration trics based companies companies characteristics and the trick companies	on of the corporation. erformance goals of the s and initiatives. ased management system ares with the Balanced ality Award Criteria. e planning system of the osen to measure its porated that facilitates s information about the alers and markets and d tactical plans. ares and analyzes ato future improved ag one or more of the following activities, examinations, written cussions.		
	e Outline i nere to ent		Time Allo	cation	1		TOPIC	Outline in		Time Allo	cation	TIME (HRS) 240 240	

Α.	If not LEC/LAB/SEM,	Check box as	appropriate	[See De	efinitions in A	Appendix E]:
----	---------------------	--------------	-------------	---------	-----------------	------------	----

□ Practicum

☐ Independent Study

B. College Code: PH

		Effective Fall 2016
	C. Department Code: PHAR	
D.	D. Credit Hours:	
	☐ Variable	
	⊠ Fixed	
Ε.	E. Minimum Credit Hours: 6	
F.	F. Maximum Credit Hours: 6	
G.	G. Hours may be repeated for additional credit:	
	⊠ No	
	☐ Yes – If yes, max times repeated: Click here to enter text. OR max cred	lits awarded: Click here to enter text.
Н.	H. Levels:	
	☐ Undergraduate	
	☐ Graduate	
	☑ Professional	
۱.	I. Grade Method:	
	☐ Credit/No Credit	
J.	J. Does the proposed course replace an equivalent course?	
	□ No	
	☑ Yes – If yes, enter equivalent course: PHAR 662: Pharmaceutical Indust	MBA APPE
	Course Prefix, Number – Course T	ītle
K.	K. Term(s) Offered: Fall, Spring	
L.	L. Max Section Enrollment: 40	
	Lecture:	
	Lab: Click here to enter text.	
	To be completed by Academic Affairs Office: Standards & Measures Coding and G	
	☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, Gen Ed. Code	2S:
uc	UCC Chair Signature & Date: Academic Af	fairs Approval Signature & Date:
UC	OCC Chair Signature & Date.	ians Approvai Signature & Date.
		-
0	OFFICE OF THE REGISTRAR USE ONLY	
_	Date Rec'd: Date Completed:	
Er	Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

PHAR 863 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{\Box}$ Modify, or $oxed{\Box}$ delete

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 863: Health Systems Pharm MBA APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

		CURR	ENT			PROPOSED						
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
						PHAR	863	40				
Title:	Click here	to enter t	ext.		'	Title: F	lealth Syst	tems Phai	m MBA	\PPE		
Cred	it Hours	Prereq	uisites	red	Co- quisites	Credi	t Hours	Prereq	uisites		Co-requisites	
							6					
Course	e/Catalog	Description	on <i>(125 w</i>	ords)		Course	/Catalog I	Descriptio	n <i>(125 w</i>	ords)		
Click h	nere to ent	er text.				experier organiza	nces in the c	ulture, syste actices perf	ems, struct ormance m	ures, ar etrics b	rovide students with and practices of an based management as practice	
Cours	e Outcom	es and As	sessment	Plan			Outcome					
Click here to enter text.					2. Asses health so scorecal 4. Asses health so perform leadersh 5. Asses needs all incorpor 6. Asses organizate perform Assessm followin examinal discussions.	s and analyzystem and research and the Mos and analyzystem, the Mos and analyzystem, the Mos and analyzystem and analyzed satisfactions and analyzetional performance. The same analyzetional performance and analyzetions, writtens.	e the long- elate them of the performand de the leade eading and the improverment. The how the hom of its customer than the hom of its customent and the how the hom t	and short-to current of the current	erm per	on of the health system rformance goals of the cons and initiatives. It is sed management system pares with the Balanced lity Award Criteria. It planning system of the chosen to measure its corated that facilitates ins information about the ers and markets and districted plans. It is sures and analyzes to future improved the ent during APPE activities, tions and focused, group		
	Course Outline including Time Allocation Click here to enter text.				1	Course Outline including Time Allocation TOPIC TIME (HRS) Experiential rotation (40 hours per week) 240 TOTAL 240						

Α.	If not LEC/LAB/SI	IM, Check bo	x as appropriate	[See Definitions in	Appendix Ej
----	-------------------	--------------	------------------	---------------------	-------------

□ Practicum

☐ Independent Study

_	B. Callana Carla Bill	Lifective Fail 2010
	B. College Code: PH	
	C. Department Code: PHAR	
υ.	D. Credit Hours:	
	☐ Variable	
	⊠ Fixed	
E.		
F.	F. Maximum Credit Hours: 6	
G.	G. Hours may be repeated for additional credit:	
	⊠ No	
	\square Yes – If yes, max times repeated: Click here to enter text. Of	R max credits awarded: Click here to enter text.
Н.	H. Levels:	
	☐ Undergraduate	
	☐ Graduate	
	□ Professional	
١.	I. Grade Method:	
	☐ Credit/No Credit	
J.		
•	□ No	
		ams Pharm MRA ADDE
	Course Prefix, Numbe	
K	K. Term(s) Offered: Fall, Spring	Course Title
L.	and the second s	
	Lecture:	
	Lab: Click here to enter text.	
	Lab. Click here to effice text.	
To	To be completed by Academic Affairs Office: Standards & Measures Co	ding and General Education Code
	☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education, G	_
UC	UCC Chair Signature & Date: Ac	ademic Affairs Approval Signature & Date:
	OFFICE OF THE REGISTRAR USE ONLY	
	Date Rec'd: Date Completed:	
Eľ	Entered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

PHAR 864 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{oxed}$ Modify, or $oxed{oxed}$ delete

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 864: International Pharmacy APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

CURRENT						PROPOSED							
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar		
T '						PHAR	864	40	A DDE				
	Click here					 	nternation	I					
Cred	Credit Hours Prerequisites Co- requisites		Cred	it Hours	Prerec	uisites		Co-requisites					
							6						
Course	e/Catalog	Description	on <i>(125 w</i>			e/Catalog							
	nere to ent				provide practice includin and will	The goal of the International Advanced Pharmacy Practice Experience is to provide selected students with exposure to and involvement in foreign pharmacy practice. This will be facilitated through placement in a variety of clinical settings including hospital (institutional) practice, community practice and clinical practice and will be directed by affiliated Colleges of Pharmacy in the selected country.							
	e Outcome		sessment	Plan			e Outcome						
Click	nere to ent	er text.				2. Interpatient desired 3. Deve manage 4. Evalu 5. Provi content 6. Outlin country 7. Compatisease 8. Descripersonr 9. List the distribute geriatrica 10. List relevant 11. Usir errors for 12. Den country 13. Descriperson in 14. Writh health patents for 15. Use	pret and prices precific and outcomes. Ilop and implement plan. In ate and interest of the plan and constates of the ribe the obstacle to pharmach or a particular on strate a constrate a	ement a pa rpret profes cologic and n or care give if the pharm trast the ph e host count erent roles a nt type of p es and disac for the man eutic proble is to outcom cy practice. gement prir ar practice s detailed unc acy educatio acy educatio acy educatio acy eres and , and compo	evidence no ion-based of tient-specifications, lay son-pharmars. In the interpolation of the interpolation of the ion and responsive the ion and clearly teachers. In the ion and clearly teachers, uters to asset ion in the house of the ion in the house interpolation of the ion in the house interpolation in the house interpolation in the house ion ion in the house ion in the house ion in the house ion in the hous	eeded thisease fic and/cologic edeliver erapeutint seen is sibilities peration of relevation on tinuitielop a per of the est cour during	ge form/device for the patient to formulate and implement a management plan to achieve or population-based disease entific literature education with the appropriate ry of health-care in the host ic approach to several common in the US. of professional and technical as and clinical micro-systems. ant health care and drug cific patient (e.g., pediatric, ty of care for patients that are plan to minimize medication health-care system of the host attry, contrasting it with that communications with patients, permunications with patients w		

			Effective Fall 2016
			16. Demonstrate sensitivity and tolerance within multicultural interactions and
			settings. 17. Respond appropriately, and in the correct format (written or verbal) to
			questions posed.
			18. Display professionalism in pharmacy practice.
			Assessment: Assessment: Students will be assessed using one or more of the following methods: direct observation of the student during APPE activities,
			examinations, written assignments, oral presentations and focused, group
			discussions.
C	ourse Outline including Time Allocation		Course Outline including Time Allocation
Cl	ick here to enter text.		TOPIC TIME (HRS) Experiential rotation (40 hours per week) 240
	If not LEC/LAB/SEM, Check box as appropriate [S		240
A.	 ☑ Practicum 	966	e Dejinitions in Appendix Ej.
_	☐ Independent Study		
В.	College Code: PH		
C.	Department Code: PHAR		
D.	Credit Hours:		
	☐ Variable		
	⊠ Fixed		
E.	Minimum Credit Hours: 6		
F.	Maximum Credit Hours: 6		
G.	Hours may be repeated for additional credit:		
	⊠ No		
	☐ Yes – If yes, max times repeated: Click here to) (enter text. OR max credits awarded: Click here to enter text.
Н.	Levels:		
	☐ Undergraduate		
	☐ Graduate		
	□ Professional □ Pr		
ı.	Grade Method:		
٠.	Standard Letter Grading		
	-		
	Credit/No Credit		2
J.	Does the proposed course replace an equivalent	. C	ourse?
	□ No		
	⊠ Yes – If yes, enter equivalent course: PHAR 66	6	: International Pharmacy APPE
K.	Term(s) Offered: Fall, Spring		
L.	Max Section Enrollment: 40		
	Lecture:		
	Lab: Click here to enter text.		
	o be completed by Academic Affairs Office: Standards Basic Skill (BS), D General Education, D Occupation		_
	(, =		
UC	C Chair Signature & Date:		Academic Affairs Approval Signature & Date:
	FFICE OF THE REGISTRAR USE ONLY		
	ate Rec'd: Date Completed:		
	ntered: \[\sum_SCACRSE, \sum_SCADETL, \sum_SCARRES, \sum_SCAPR \]	RE	<u></u>
	<u> </u>		

PHAR 865 Course Information Form (formerly Form E and Form F)

I. ACTION TO BE TAKEN:

 $oxed{oxed}$ Create, $oxed{\Box}$ Modify, or $oxed{\Box}$ delete

Desired Term Effective Date (6-digit code): 202101

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 865: Research APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

		CURR	ENT			PROPOSED							
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar		
						PHAR	865	40					
Title: (Click here	to enter t	ext.	ı		Title: R	esearch A	PPE	I.				
Credi	Credit Hours Prerequisites Co- requisites		Credi	t Hours	Prereq	uisites		Co-requisites					
							6						
Course	e/Catalog	Description	on <i>(125 w</i>	ords)		Course	/Catalog [Descriptio	n <i>(125 wc</i>	ords)			
Click here to enter text.							•	ch. Potenti	al rotation	opport	t an in-depth, hands-on unities include clinical, e sites.		
Course	e Outcome	es and As	sessment	Plan			Outcome			-			
Course Outcomes and Assessment Plan Click here to enter text.						2. Provide 3. Evaluar practice s 4. Describ personne 5. Write a teachers. 6. Use wr communi 7. Demor 8. Assess 9. Respor posed. 10. Ident 11. Asses persuasiv 12. Displa 13. Synth conjectur 14. Regul areas or I 15. Displa 16. Empla ethical di Assessm followin	te in-service ed te and interpresetting. De the different el at the site. And speak accurations with pastrate sensition that the target aund appropriate of appropriate of a securacy, far a sensition of a securacy, far a securacy, far a securacy, far a securacy in formation of a securacy in	ducation with ret profession and roles and rurately and cog, data, medioeers and teavity and toler dience to ensight and in the accordance of the community of	esponsibiliti learly during a, and comp ichers. rance within sure the corre e correct for ugh prioritiza cance, relevi ts sources. and a toleran ict a solution course of ac eds and initi t prompting. macy practic systematic d ersonal, socie ents will be reation of ti	riate corcientific es of pro g communitates cra multicul ect mess mat (wri ation and ance, co nce for a n, hypotl ction. iate actio ee. ecision r etal, and assesse he stud	e practice setting. Intent Iliterature relevant to the Defessional and technical Unications with peers and Deatively to assist in Unications and settings. Desage was received. D		
Course	e Outline i	ncluding	Time Allo	catior	า		Outline in	ncluding 1	ime Allo	cation			

Effective Fall 2016

Click here to enter text.	TOPI	C riential rotation (40 hours per week)	TIME (HRS) 240
	TOTA		240
If not LEC/LAB/SEM, Check box as appro	opriate [See Def	initions in Appendix E]:	
☐ X Practicum			
☐ Independent Study			
College Code: PH			
Department Code: PHAR			
. Credit Hours:			
☐ Variable			
Minimum Credit Hours: 6			
Maximum Credit Hours: 6			
. Hours may be repeated for additional co	redit:		
⊠ No			
\square Yes – If yes, max times repeated: Clic	ck here to enter	text. OR max credits awarded:	Click here to enter text.
. Levels:			
☐ Undergraduate			
☐ Graduate			
□ Professional			
Grade Method:			
Standard Letter Grading −			
☐ Credit/No Credit			
Does the proposed course replace an ed	quivalent cours	e?	
□ No			
\boxtimes Yes – <i>If yes, enter equivalent course:</i>			
T () Off	Course Prefix	κ, Number – Course Title	
Term(s) Offered: Fall, Spring			
Max Section Enrollment: 40			
Lecture: Lab: Click here to enter text.			
Lab. Click here to enter text.			
To be completed by Academic Affairs Office: S	Standards & Mea	sures Coding and General Education	 on Code
\square Basic Skill (BS), \square General Education, \square O		=	
CC Chair Signature & Date:		Academic Affairs Approval	Signature & Date:
	-		
OFFICE OF THE REGISTRAR USE ONLY			
Date Rec'd: Date Completed:		_	
	/\(\scape{\chi}\)SCAPREO	_	

I. AC	R 450 Cou TION TO BE CREATE, □	TAKEN:			·	nerly F	orm E a	and Fo	rm F)				
	esired Term OTE: The first f		-	_	=		rate month	in which te	erm begins	S.			
		_	-					m wmen te	in begins	,,			
II.CO	URSE IDENT	IFICATIO			troduction , Course Nui								
If c	deleting a co	urse STO		,									
	r modificatio	-				changed.	•						
If c	reating a co	urse, con	nplete <u>all</u>	relev	ant fields.								
		CURR	ENIT					PROPO	CED				
Prefi	ix Number	Contact	Lecture	Lab	Seminar	Prefix	Number	Contact	Lecture	Lab	Seminar		
		Hours						Hours					
Tial	- Clial la ana					Title.	Cliale la aura						
	e: Click here edit Hours		uisites	1	Co-		Click here			1	Co-		
Cit	euit nouis	Pielec	Juisites	re	quisites	Creu	Credit Hours		Prerequisites		quisites		
					44131163		requisites						
Cou	rse/Catalog	Description	on <i>(125 w</i>	ords)		Cours	e/Catalog	Description	on <i>(125 w</i>	ords)			
	k here to ent			-		Click ł	nere to en	ter text.		-			
Cou	rse Outcom	es and As	sessment	Plan		Cours	e Outcom	es and As	sessment	Plan			
-	k here to ent						nere to en						
	rse Outline i		Time Allo	catio	ı	Course Outline including Time Allocation							
	k here to ent					Click here to enter text. See Definitions in Appendix E]:							
	Thot LEC/LA	B/SEIVI, CI	песк рох	as ap	propriate [see Defini	tions in App	enaix Ej:					
		C4d											
	☐ Independe College Code	•	an itam										
	Department (em									
	Credit Hours:		7030 411 10	CIII.									
_	\square Variable												
	☐ Fixed												
	_ ·ou. ∕Iinimum Cre	edit Hours	s: Click he	re to	enter text.								
	Aaximum Cr												
G. H	lours may be	e repeate	d for addi	itiona	l credit:								
	□ No	-											
	☐ Yes — If ye	s, max tin	nes repea	ted: (Click here t	o enter te	ext. OR ma	ax credits	awarded	: Click	here to enter te		
	evels:												
	☐ Undergrad	duate											
	☐ Graduate												
	☐ Profession	ıal											
I. G	arade Metho	d:											

J.	Does the proposed course replace an equivalent course?									
	□ No									
	☐ Yes – If yes, enter equivalent course: Click here to en	ter text.								
	Course Prefix, Number – Course Title									
K. Term(s) Offered: Click here to enter text.										
L.	Max Section Enrollment:									
	Lecture: Click here to enter text.									
	Lab: Click here to enter text.									
To	o be completed by Academic Affairs Office: Standards & Mea	sures Coding and General Education Code								
	Basic Skill (BS), \square General Education, \square Occupational Educ	ation, Gen Ed. Codes:								
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
										
0	FFICE OF THE REGISTRAR USE ONLY									
	ate Rec'd: Date Completed:									
l Fr	ntered: \(\square\) SCACRSE. \(\square\) SCAPRES. \(\square\) SCAPREO									

PH	HAR 451 Course Information Form (formerly Form E and Form F)														
	I. ACTION TO BE TAKEN:														
	CREATE, □		v. OR ⊠	DELE	TE										
	_		., c												
0	Desired Term	Effective	Date (6-d	ligit c	ode): 2019	90	1								
	IOTE: The first j		=	_	=			ate month	in which to	erm begins	5.				
II.C	OURSE IDENT	IFICATION						-							
				Prefix	r, Course Νι	ım	ber – Co	urse Title							
	deleting a co			. . 4											
	or modification	-					nangea.								
"	creating a co	ourse, com	ipiete <u>aii</u>	reiev	ant neids.	•									
		CURR	FNT						PROPO	OSED					
Pre	efix Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar			
		Hours							Hours						
-	le: Click here	1		Т			1	Click here			1				
C	redit Hours	Prereq	luisites	ro	Co-		Cred	Credit Hours Prerequis		luisites	uisites Co- requisites				
				160	quisites						rec	quisites			
Co	ourse/Catalog	Description	on /125 w	ords)			Course/Catalog Description (125 words)								
	ck here to en	•	511 (125 11)	<u>0. us</u> ,			Click here to enter text.								
-	urse Outcom		sessment	Plan			Course Outcomes and Assessment Plan								
Cli	ck here to en	ter text.					Click here to enter text.								
Со	urse Outline	including	Time Allo	cation	n		Course Outline including Time Allocation								
	ck here to en						Click here to enter text.								
A.			neck box	as ap	propriate	[Se	See Definitions in Appendix E]:								
	☐ Practicum														
	☐ Independe	-													
	College Code														
	Department		ose an it	em.											
D.	Credit Hours	•													
	☐ Variable														
	☐ Fixed														
	Minimum Cre														
	Maximum Cr					t.									
G.	Hours may be	e repeate	a for addi	itiona	i credit:										
	□ No														
		s, max tin	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter	text.		
н.	Levels:	duata													
	☐ Undergrad	uuate													
	☐ Graduate	a d													
	☐ Profession														
I.	Grade Metho	Ju:													

J.	. Does the proposed course replace an equivalent course?									
	□ No									
	☐ Yes – If yes, enter equivalent course: Click here to enter text.									
	Course Prefix	, Number – Course Title								
K. Term(s) Offered: Click here to enter text.										
L.	Max Section Enrollment:									
	Lecture: Click here to enter text.									
	Lab: Click here to enter text.									
To	o be completed by Academic Affairs Office: Standards & Mea	sures Coding and General Education Code								
	lacksquare Basic Skill (BS), $lacksquare$ General Education, $lacksquare$ Occupational Edu	cation, Gen Ed. Codes:								
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
										
0	FFICE OF THE REGISTRAR USE ONLY									
D	ate Rec'd: Date Completed:									
E	ntarad. TSCACRSE TSCARETI TSCARRES TSCARRED									

	PHAR 453 Course Information Form (formerly Form E and Form F)														
	TION TO BE			5-1-											
Ш	CREATE, □	MODIFY	Y, OR 🗵	DELE	IE										
	esired Term		=	_	=			ata manth	in which to	orm hagin	_				
IVC	OTE: The first j	our aigits	inaicate ye	ear, tri	e next two	aig	gits indic	ate month	in which te	erm begins	·.				
II.CO	URSE IDENT	IFICATIO	N: PHAR 4	453 To	opics in Nu	utı	rition Bi	ochem							
					, Course Nu										
If o	deleting a co	urse STO	P HERE.												
Fo	r modification	on, compl	lete all fie	elds th	nat will be	cl	hanged.								
If o	creating a co	urse, con	nplete <u>all</u>	relev	ant fields.										
		CURR	ENIT						PROPO)CED					
Pref	ix Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar			
		Hours							Hours						
	e: Click here	1					+	Click here			1				
Cr	edit Hours	Prerequisites		Co-			Cred	it Hours	Prereq	uisites		Co-			
	requisites							rec	quisites						
Coi	ırse/Catalog	Description	on /125 w	ords)			Course	e/Catalog	 Descrintion	n /125 w	ords)				
	k here to ent	•	011 (123 W	orusj			Course/Catalog Description (125 words) Click here to enter text.								
	irse Outcom		sessment	Plan			Course Outcomes and Assessment Plan								
Clic	k here to en	ter text.				Click here to enter text.									
Cou	ırse Outline i	ncluding	Time Allo	catio	า	Course Outline including Time Allocation									
	k here to en						Click here to enter text.								
			heck box	as ap	propriate [[See Definitions in Appendix E]:									
	☐ Practicum														
	☐ Independe	-													
	College Code														
	Department		oose an it	em.											
	Credit Hours:														
	☐ Variable														
	☐ Fixed	adit Haur	. Click be	ro to	ontor toyt										
	Minimum Cre Maximum Cr														
	Hours may be					ι.									
	□ No	Герейсе	a ioi aaa	itiona	r creare.										
		s may tin	nes renea	ıted: (lick here t	to	enter te	ext OR ma	ax credits	awarded	· Click	here to enter te	yt		
	_ res in ye .evels:	3, 111ax till	пезтерес	itcu. (SHEK HETE I		CITCH CC	.xt. OK III	ix creares	awaraca	. Circk	nere to enter te	Λι.		
	□ Undergrad	duate													
	☐ Graduate														
	□ Profession	nal													
	Grade Metho														

J.	. Does the proposed course replace an equivalent course?									
	□ No									
	\square Yes – If yes, enter equivalent course: Click here to en	nter text.								
	Course Prefix	r, Number – Course Title								
K.	Term(s) Offered: Click here to enter text.									
L.	Max Section Enrollment:									
	Lecture: Click here to enter text.									
	Lab: Click here to enter text.									
<i>T</i>	o be completed by Academic Affairs Office: <code>Standards</code> & Mea $ ceil$ Basic Skill (BS), $\ \square$ General Education, $\ \square$ Occupational Education,	_								
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
0	FFICE OF THE REGISTRAR USE ONLY									
D	ate Rec'd: Date Completed:	-								
E	ntered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ									

Effective Fall 2016 PHAR 455 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 201901 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 455 Curr Controversies Health Care Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Seminar Lecture Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

☐ Standard Letter Grading

J.	. Does the proposed course replace an equivalent course?									
	□ No									
	\square Yes – If yes, enter equivalent course: Click here to en	nter text.								
	Course Prefix	r, Number – Course Title								
K.	Term(s) Offered: Click here to enter text.									
L.	Max Section Enrollment:									
	Lecture: Click here to enter text.									
	Lab: Click here to enter text.									
<i>T</i>	o be completed by Academic Affairs Office: <code>Standards</code> & Mea $ ceil$ Basic Skill (BS), $\ \square$ General Education, $\ \square$ Occupational Education,	_								
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
0	FFICE OF THE REGISTRAR USE ONLY									
D	ate Rec'd: Date Completed:	-								
E	ntered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ									

PH	PHAR 457 Course Information Form (formerly Form E and Form F)													
	I. ACTION TO BE TAKEN:													
☐ CREATE, ☐ MODIFY, OR ☒ DELETE														
_	_ C.(E, (, E,		,, o											
	Desired Term	Effective	Date (6-d	ligit c	ode): 2019	90:	1							
	IOTE: The first		-	_	-			ate month	in which te	erm begins	5.			
II.C	OURSE IDENT	TFICATIO	N: PHAR 4	457 In	itro to Pha	arr	nacy La	w & Ethic	s					
				Prefix	, Course Nι	ım	ber – Co	urse Title						
	deleting a co						_							
	or modification	•					nanged.							
lf	creating a co	urse, con	ıplete <u>all</u>	relev	ant fields.	•								
		CLIDD							DDODO	OCED				
Pre	efix Number	CURR Contact	Lecture	Lab	Seminar		Prefix	Number	PROPO	Lecture	Lab	Seminar		
		Hours	20000.0	20.0	001111101				Hours	200101.0	200			
-	le: Click here	1		1				Click here	to enter t	ext.	1			
С	redit Hours	Prerec	luisites		Co-		Cred	it Hours	Prerequisites		Co-			
				re	quisites						red	quisites		
<u></u>	urso/Catalog	Doscripti	on /135	ords)			Course	o/Catalog	Doscription	on /125	ords)			
	ourse/Catalog ick here to en	•	311 (125 W	oras)			Click born to enter toy!							
-	ourse Outcom		sessment	Plan			Click here to enter text. Course Outcomes and Assessment Plan							
_	ick here to en		30331110110	. I Iaii			Click here to enter text.							
_	urse Outline		Time Allo	catio	n		Course Outline including Time Allocation							
	ick here to en						Click here to enter text.							
A.	If not LEC/LA	B/SEM, C	heck box	as ap	propriate <i>i</i>	[Se	e Definit	tions in App	pendix E]:					
	☐ Practicum													
	☐ Independe	ent Study												
В.	College Code	: Choose	an item.											
C.	Department	Code: Cho	ose an it	em.										
D.	Credit Hours	:												
	\square Variable													
	\square Fixed													
E.	Minimum Cre	edit Hours	: Click he	re to	enter text									
F.	Maximum Cr	edit Hour	s: Click he	ere to	enter text	t.								
G.	Hours may be	e repeate	d for addi	itiona	l credit:									
	\square No													
	\square Yes – If ye	s, max tin	nes repea	ted: (Click here	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter	text.	
Н.	Levels:													
	☐ Undergrad	duate												
	$\ \Box \ {\it Graduate}$													
	☐ Profession	nal												
I.	Grade Method:													

J.	Does the proposed course replace an equivalent course?									
	□ No									
	☐ Yes – If yes, enter equivalent course: Click here to enter text.									
	Course Prefix,	Number – Course Title								
K.	Term(s) Offered: Click here to enter text.									
L. Max Section Enrollment:										
	Lecture: Click here to enter text.									
	Lab: Click here to enter text.									
To	o be completed by Academic Affairs Office: Standards & Mea	sures Coding and General Education Code								
	Basic Skill (BS), \square General Education, \square Occupational Educ	ation, Gen Ed. Codes:								
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
0	FFICE OF THE REGISTRAR USE ONLY									
	ate Rec'd: Date Completed:									
l Fr	ntered: \(\square\) SCACRSE. \(\square\) SCAPRES. \(\square\) SCAPREO									

	AR 461 Cou		ormatio	n Foi	rm (forr	n	erly F	orm E a	and Fo	rm F)				
	I. ACTION TO BE TAKEN:													
	☐ CREATE, ☐ MODIFY, OR ☒ DELETE													
	esired Term OTE: The first j		=	_	=			ate month	in which te	erm begins	5.			
If	OURSE IDENT deleting a co or modification	urse STO	Course P HERE.	Prefix	, Course Nu	ım	ber – Co	urse Title						
If	creating a co	urse, con	nplete <u>all</u>	relev	ant fields.									
		CURR	FNT						PROPO	SFD				
Pre	fix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar		
		Tiours							110013					
Titl	e: Click here	to enter t	ext.		1		Title:	Click here	to enter t	ext.	ı			
Cr	edit Hours					Cred	it Hours	Prerequisites		rec	Co- quisites			
-	/C	D	/405				6	. /6	D	(405				
	urse/Catalog	•	on <i>(125 w</i>	ords)			Course/Catalog Description (125 words)							
	ck here to en urse Outcom		caccmant	Dlan			Click here to enter text.							
	ck here to en		36331116111	riaii			Course Outcomes and Assessment Plan Click here to enter text.							
	urse Outline		Time Allo	catio			Course Outline including Time Allocation							
	ck here to en				· ·		Click here to enter text.							
Α. Ι	If not LEC/LA	B/SEM, CI	heck box	as ap	propriate [Se	See Definitions in Appendix E]:							
	☐ Practicum													
	☐ Independe	ent Study												
В. (College Code	: Choose	an item.											
C. 1	Department	Code: Cho	ose an it	em.										
D. (Credit Hours:													
	□ Variable													
	☐ Fixed													
E. 1	Minimum Cre	edit Hours	s: Click he	re to	enter text									
F. 1	Maximum Cr	edit Hour	s: Click he	ere to	enter text	t.								
	Hours may be	e repeate	d for add	itiona	l credit:									
	□ No			ما المحاد	ا میرم از اداد	L		out OD ma	ana dika		. Clial	have to enter toy	_	
	-	s, max tin	nes repea	itea: (Liick nere i	O	enter te	ext. OR ma	ax credits	awarded	: CIICK	here to enter tex	ξ.	
	Levels: □ Undergrad	duato												
	☐ Undergrad	uate												
	☐ Graduate	اما												
	☐ Profession													
I. (Grade Method:													

J.	Does the proposed course replace an equivalent course?									
	□ No									
	☐ Yes — If yes, enter equivalent course: Click here to enter text.									
	Course Prefi	x, Number – Course Title								
K.	Term(s) Offered: Click here to enter text.									
L.	Max Section Enrollment:									
	Lecture: Click here to enter text.									
	Lab: Click here to enter text.									
<i>T</i>	o be completed by Academic Affairs Office: <code>Standards</code> & Me \Box Basic Skill (BS), \Box General Education, \Box Occupational Edu	_								
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
0	FFICE OF THE REGISTRAR USE ONLY									
D	ate Rec'd: Date Completed:	_								
E	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ									

I. ACT	R 462 Coursion to be create, \square	TAKEN:			`	n	erly F	orm E a	and Fo	rm F)			
	sired Term TE: The first f		-	•	-			ate month	in which te	erm begins	i.		
If d For	JRSE IDENT eleting a co modification reating a co	urse STO	Course P HERE. ete all fie	Prefix,	, Course Nu	um e ch	ber – Co	urse Title	ar				
		CURR	FNT						PROPO	SFD			
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
Title	: Click here	to enter t	ext				Title: (Click here	to enter t	eyt			
	dit Hours		uisites	red	Co- quisites			it Hours		uisites		Co- juisites	
-	/6	D	/425				6	16 - 1 - 1	D	/405			
	rse/Catalog here to ent	•	on <i>(125 w</i>	ords)			1	e/Catalog ere to ent	•	on (125 w	ords)		
	rse Outcome		sessment	Plan						sessment	Plan		
	here to ent						Course Outcomes and Assessment Plan Click here to enter text.						
Cou	rse Outline i	ncluding	Time Allo	cation	า		Course Outline including Time Allocation						
	here to ent						Click here to enter text.						
	not LEC/LA	•	heck box	as apı	oropriate	[Se	e Definit	ions in App	endix E]:				
	Practicum												
	Independe												
	ollege Code			0.00									
	epartment (redit Hours:		Jose all it	em.									
	Tedit Hodrs.] Variable												
_	Fixed												
	linimum Cre	edit Hours	: Click he	re to	enter text								
	laximum Cr												
	ours may be	e repeate	d for addi	itiona	l credit:								
] No	·											
	Yes – If ye	s, max tin	nes repea	ted: (Click here	to	enter te	ext. OR ma	x credits	awarded:	Click	here to enter tex	
H. Le			•										
	Undergrad	duate											
	Graduate												
	Profession	ıal											
I. G	Grade Method:												

J.	Does the proposed course replace an equivalent cours ☐ No	e?								
	☐ Yes – If yes, enter equivalent course: Click here to enter text.									
Course Prefix, Number – Course Title										
K.	Term(s) Offered: Click here to enter text.									
L.	Max Section Enrollment:									
	Lab: Click here to enter text.									
	o be completed by Academic Affairs Office: <code>Standards</code> & Mea $ m I$ Basic Skill (BS), $\ \square$ General Education, $\ \square$ Occupational Edu	_								
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
0	FFICE OF THE REGISTRAR USE ONLY									
D	ate Rec'd: Date Completed:	_								
l Ei	ntered: \(\subseteq SCACRSE, \subseteq SCADETL, \subseteq SCARRES, \subseteq SCAPREO									

Effective Fall 2016 PHAR 463 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 201901 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 463 Botanical Supple - Alt Therapy Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Seminar Lecture Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J.	Does the proposed course replace an equivalent course	??
	□No	
	\square Yes – If yes, enter equivalent course: Click here to en	ter text.
	Course Prefix,	Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
То	be completed by Academic Affairs Office: Standards & Mea	sures Coding and General Education Code
	Basic Skill (BS), \square General Education, \square Occupational Educ	ation, Gen Ed. Codes:
UCC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
OF	FICE OF THE REGISTRAR USE ONLY	
Da	te Rec'd: Date Completed:	
Fn	tered TSCACRSE TSCADETI TSCARRES TSCAPRED	

Effective Fall 2016 PHAR 464 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 201901 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. **II.COURSE IDENTIFICATION: PHAR 464 Natural Product Toxins** Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Seminar Lecture Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J. Does	s the proposed course replace an equivalent cou	ırse?
\square N	0	
□ Ye	es – If yes, enter equivalent course: Click here to	enter text.
	Course Pro	efix, Number – Course Title
K. Term	n(s) Offered: Click here to enter text.	
L. Max	Section Enrollment:	
Lectu	ure: Click here to enter text.	
Lab:	Click here to enter text.	
	mpleted by Academic Affairs Office: Standards & N Skill (BS), ☐ General Education, ☐ Occupational E	_
	, , , , , , , , , , , , , , , , , , , ,	
UCC Chai	ir Signature & Date:	Academic Affairs Approval Signature & Date:
OFFICE C	OF THE REGISTRAR USE ONLY	
Date Red	c'd: Date Completed:	<u></u>
Entered:	$: \Box SCACRSE, \Box SCADETL, \Box SCARRES, \Box SCAPREQ$	

Effective Fall 2016 PHAR 466 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 201901 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 466 Medicinal Chemistry Research Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Seminar Lecture Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J.	Does the proposed course replace an equivalent cour	se?	
	□ No		
	☐ Yes – If yes, enter equivalent course: Click here to e	enter text.	
	Course Pref.	ix, Number – Course Title	
K.	Term(s) Offered: Click here to enter text.		
L.	Max Section Enrollment:		
	Lecture: Click here to enter text.		
	Lab: Click here to enter text.		
T	o be completed by Academic Affairs Office: Standards & Me	asures Coding and General Education Code	
	Basic Skill (BS), 🗌 General Education, 🗌 Occupational Ed	ucation, Gen Ed. Codes:	
	C Chair Cianatama & Data	Andrewin Affaire Arrange Cinestons & Date	
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:	
_			
	SELECT OF THE DECICED AD LICE ONLY		
	IFFICE OF THE REGISTRAR USE ONLY ate Rec'd: Date Completed:		
	ntered: DSCACESE DSCADETI DSCABBES DSCABBEO	_	

Effective Fall 2016 PHAR 468 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 201901 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 468 Sel Top Medicinal Chemistry Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Seminar Lecture Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J.	Does the proposed course replace an equivalent cours	e?
	□ No	
	\square Yes – If yes, enter equivalent course: Click here to en	iter text.
	Course Prefix	, Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
To	o be completed by Academic Affairs Office: Standards & Mea	sures Coding and General Education Code
	lacksquare Basic Skill (BS), $lacksquare$ General Education, $lacksquare$ Occupational Edu	cation, Gen Ed. Codes:
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
		
0	FFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	
E	ntarad. TSCACRSE TSCARETI TSCARRES TSCARRED	

Effective Fall 2016 PHAR 469 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 201901 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. **II.COURSE IDENTIFICATION: PHAR 469 Carcinogenesis** Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Seminar Lecture Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J.	Does the proposed course replace an equivalent cours	e?
	□ No	
	\square Yes – If yes, enter equivalent course: Click here to en	iter text.
	Course Prefix	, Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
To	o be completed by Academic Affairs Office: Standards & Mea	sures Coding and General Education Code
	lacksquare Basic Skill (BS), $lacksquare$ General Education, $lacksquare$ Occupational Edu	cation, Gen Ed. Codes:
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
		
0	FFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	
	ntarad. TSCACRSE TSCARETI TSCARRES TSCARRED	

PHAR 470 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 201901 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 470 Pharmacy and Geriatric Health Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Seminar Lecture Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J. Does th	e proposed course replace an equivalent cou	irse?	
\square No			
☐ Yes -	- If yes, enter equivalent course: Click here to	enter text.	
	Course Pre	efix, Number – Course Title	
K. Term(s)	Offered: Click here to enter text.		
L. Max Sec	ction Enrollment:		
Lecture	: Click here to enter text.		
Lab: Clic	k here to enter text.		
To be comp	leted by Academic Affairs Office: Standards & M	leasures Coding and General Education Code	
☐ Basic Ski	II (BS), 🗌 General Education, 🗌 Occupational Ed	ducation, Gen Ed. Codes:	
UCC Chair S	ignature & Date:	Academic Affairs Approval Signature & Date:	
	THE REGISTRAR USE ONLY		
-	Date Completed:		
Entered://	SCACRSE TSCADETI TSCARRES TSCAPRED		

PHAR 476 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: □ CREATE, □ MODIFY, OR ☑ DELETE														
	sired Term TE: The first f		-	•	-			ate month	in which te	erm begins	i .			
If do	JRSE IDENT eleting a co modification reating a co	urse STO	Course P HERE. ete all fie	Prefix, elds th	, Course Nu	cł								
		CURR	ENT						PROPO	SED				
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar		
Title	: Click here	to enter t	evt				Title: (Click here	to enter t	evt				
	dit Hours		uisites		Co-			dit Hours Prerequisites				Co-		
				red	quisites						rec	quisites		
Cour	se/Catalog	Description	on <i>(125 w</i>	ords)			Course	e/Catalog	Description	on <i>(125 w</i>	ords)			
	here to ent	•	·	•				ere to ent	-	·	,			
Cour	se Outcome	es and Ass	sessment	Plan			Course	e Outcome	es and Ass	sessment	Plan			
	here to ent						Click here to enter text.							
	se Outline i		Time Allo	catior	<u>1</u>		Course Outline including Time Allocation							
	here to ent		ack boy	26 201	oropriato	[Ca	Click here to enter text. ee Definitions in Appendix E]:							
	Practicum		ieck box	as app	oropriate į	įse	е рејин	юнз ін арр	ieriuix Ej:					
	Independe													
	ollege Code	•	an item											
	epartment (em										
	edit Hours:		7000 011 10	C1111										
_	Variable													
	Fixed													
	linimum Cre	edit Hours	: Click he	re to	enter text									
	laximum Cr													
G. H	ours may be	e repeate	d for addi	tiona	l credit:									
] No													
	Yes – If ye	s, max tin	nes repea	ted: (Click here	to	enter te	ext. OR ma	x credits	awarded	Click	here to enter t		
H. Le			•											
	Undergrad	duate												
	Graduate													
	Profession	ıal												
I. G	rade Metho	od:												

J.	Does the proposed course replace an equivalent cour ☐ No	se?	
	☐ Yes – If yes, enter equivalent course: Click here to €	enter text	
		ix, Number – Course Title	
K.	Term(s) Offered: Click here to enter text.	x, Number Course rule	
L.	Max Section Enrollment:		
	Lecture: Click here to enter text.		
	Lab: Click here to enter text.		
	o be completed by Academic Affairs Office: Standards & Me Basic Skill (BS), General Education, Occupational Education,	_	<u>-</u>
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:	
_			
	FFICE OF THE REGISTRAR USE ONLY		
	ate Rec'd: Date Completed:	_	
l Er	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ		

PHAR 474 Course Information Form (formerly Form E and Form F)													
Desired Term	Effective	Date (6-c	ligit c	ode): <mark>201</mark> 9		dica	te month i	in which te	erm begins	S.			
f deleting a co	ourse STO on, compl	Course P HERE. ete all fie	Prefix	, Course Nu	mber –	Coui							
	CURR	ENT						PROPC	SED				
efix Number	Contact Hours	Lecture	Lab	Seminar	Pref	Х	Number	Contact Hours	Lecture	Lab	Seminar		
No. Cliak baya	+				T:41.		ا معملالما		a vete				
				Co							Co		
Lieuit nouis	Fieleq	luisites	re		Cit	zuit	Hours	Frereq	uisites	red			
ourse/Catalog	Description	on /125 w	ords)		Cou	rsa	/Catalog	 Description	n /125 w	ords)			
	•	311 (123 W	orusj		_								
		sessment	Plan						sessment	Plan			
		30331110110	. 1 1411										
		Time Allo	catio	1									
					Click here to enter text.								
If not LEC/LA	B/SEM, CI	heck box	as ap	propriate [See Defi	nitio	ons in App	endix E]:					
☐ Practicum													
☐ Independ	ent Study												
College Code	: Choose	an item.											
Department	Code: Cho	ose an it	em.										
Credit Hours	:												
\square Variable													
\square Fixed													
Minimum Cro	edit Hours	s: Click he	ere to	enter text.									
Maximum Cr	edit Hour	s: Click he	ere to	enter text									
	e repeate	d for add	itiona	l credit:									
	s may tin	nes renea	ted: (`lick here t	o enter	tov	/t ∩R ma	v credits	awarded	· Click	here to enter	tovt	
· ·	o, max um	epco			o critci		OK IIIO	ci cuits	attaracu	· Crick	to critici	CCAL.	
	duate												
_													
Graduate													
☐ Graduate ☐ Profession	nal												
	CTION TO BE CREATE, CREATE,	CTION TO BE TAKEN: CREATE, MODIFY Desired Term Effective NOTE: The first four digits OURSE IDENTIFICATION f deleting a course STO or modification, complete for the first four section of the following ick here to enter text. Ourse/Catalog Description ick here to enter text. Ourse Outcomes and Assick here to enter text. Ourse Outline including ick here to enter text. If not LEC/LAB/SEM, Complete in the following ick here to enter text. Ourse Outline including ick here to enter text. If not LEC/LAB/SEM, Complete including ick here to enter text. Ourse Outline including ick here to enter text. If not LEC/LAB/SEM, Complete including ick here to enter text. Ourse Outline including ick here to enter text. Ourse Outline including ick here to enter text. If not LEC/LAB/SEM, Complete including ick here to enter text. Ourse Outline including ick here to enter text. If not LEC/LAB/SEM, Complete including ick here to enter text. Ourse Outline including ick here to enter text. If not LEC/LAB/SEM, Complete including ick here to enter text. Ourse Outline including ick here to enter text. If not LEC/LAB/SEM, Complete including ick here to enter text. Ourse Outline including ick here to enter text. Outline including ick here to enter text.	CTION TO BE TAKEN: CREATE, MODIFY, OR MODIF	CTION TO BE TAKEN: CREATE, MODIFY, OR DELE Desired Term Effective Date (6-digit of NOTE: The first four digits indicate year, the Course Prefix of deleting a course STOP HERE. Tormodification, complete all fields the creating a course, complete all relevant for the first hours of the course o	CREATE, MODIFY, OR DELETE Desired Term Effective Date (6-digit code): 2019 NOTE: The first four digits indicate year, the next two of Course Prefix, Course Nutre fields a course STOP HERE. Or modification, complete all fields that will be fields a course, complete all relevant fields. CURRENT Efix Number Contact Lecture Lab Seminar Hours Prerequisites CURRENT Efix Number Contact Lecture Lab Seminar Hours Course/Catalog Description (125 words) ick here to enter text. Durse Outcomes and Assessment Plan ick here to enter text. Durse Outline including Time Allocation ick here to enter text. If not LEC/LAB/SEM, Check box as appropriate for Practicum Independent Study College Code: Choose an item. Department Code: Choose an item. Department Code: Choose an item. Credit Hours: Variable Fixed Minimum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text. Hours may be repeated for additional credit: No Yes — If yes, max times repeated: Click here to enter text. Undergraduate	CTION TO BE TAKEN: CREATE, MODIFY, OR DELETE Desired Term Effective Date (6-digit code): 201901 NOTE: The first four digits indicate year, the next two digits incomplete in the next two digits incomplete. Course Prefix, Course Number - Course Prefix, Course Prefix, Course Prefix Desire Pre	CTION TO BE TAKEN: CREATE, MODIFY, OR DELETE Desired Term Effective Date (6-digit code): 201901 NOTE: The first four digits indicate year, the next two digits indicate ourse Prefix, Course Number – Council Course Prefix Council Course Number – Council Course Indication, complete all fields that will be changed. To modification, complete all fields that will be changed. To creating a course, complete all relevant fields. CURRENT Effix Number Contact Lecture Lab Seminar Prefix Hours Title: Cick here to enter text. Credit Hours Prerequisites Corequisites Course Course Course (Course Indicated Ind	CTION TO BE TAKEN: CREATE, MODIFY, OR DELETE Desired Term Effective Date (6-digit code): 201901 NOTE: The first four digits indicate year, the next two digits indicate month. OURSE IDENTIFICATION: PHAR 474 Pharmacoepidemiology Course Prefix, Course Number – Course Title f deleting a course STOP HERE. or modification, complete all fields that will be changed. f creating a course, complete all relevant fields. CURRENT efix Number Contact Lecture Lab Seminar Prefix Number Hours Credit Hours Prerequisites Corequisites Curse/Catalog Description (125 words) ick here to enter text. Curse Outcomes and Assessment Plan Course Outcome ick here to enter text. Course Outline including Time Allocation Course Outline in ick here to enter text. If not LEC/LAB/SEM, Check box as appropriate (See Definitions in App Practicum Independent Study College Code: Choose an item. Department Code: Choose an item. Department Code: Choose an item. Credit Hours: Variable Fixed Minimum Credit Hours: Click here to enter text. Hours may be repeated for additional credit: No Yes – If yes, max times repeated: Click here to enter text. OR materials Levels: Undergraduate	CREATE,	CREATE,	CREATE,	Desired Term Effective Date (6-digit code): 201901 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. OURSE IDENTIFICATION: PHAR 474 Pharmacoepidemiology Course Prefix, Course Number – Course Title If deleting a course STOP HERE. Or modification, complete all fields that will be changed. If creating a course, complete all relevant fields. CURRENT Effix Number Contact Lecture Lab Seminar Prefix Number Contact Lecture Lab Seminar Hours Prerequisites Co-requisites Co-redit Hours Prerequisites Course Outcomes and Assessment Plan (click here to enter text. Course Outline including Time Allocation Course O	

J.	Does the proposed course replace an equivalent cours	e?
	□ No	
	\square Yes – If yes, enter equivalent course: Click here to en	iter text.
	Course Prefix	, Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
To	o be completed by Academic Affairs Office: Standards & Mea	sures Coding and General Education Code
	lacksquare Basic Skill (BS), $lacksquare$ General Education, $lacksquare$ Occupational Edu	cation, Gen Ed. Codes:
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
		
0	FFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	
	ntarad. TSCACRSE TSCARETI TSCARRES TSCARRED	

Desired Term Effective Date (6-digit code): 201901 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. ILCOURSE IDENTIFICATION: PHAR 475 Advanced Compounding Course Prefix, Course Number − Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. CURRENT Prefix Number Contact Lecture Lab Seminar Prefix Number Contact Hours Prefix Number Contact Hours Prefix Number Contact Lecture Lab Seminar Hours Course Course/Catalog Description (125 words) Course/Catalog Description (125 words) Cilick here to enter text. Cilick here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Cilick here to enter text. Course Outline including Time Allocation Cilick here to enter text. Course Outline including Time Allocation Cilick here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: □ Practicum □ Independent Study B. College Code: Choose an item. D. Department Code: Choose an item. D. Credit Hours: □ Variable □ Fixed	PH	PHAR 475 Course Information Form (formerly Form E and Form F)													
Desired Term Effective Date (6-digit code): 201901. NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II. COURSE IDENTIFICATION: PHAR 475 Advanced Compounding Course Prefix, Course Number – Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. CURRENT Prefix Number Contact Lecture Lab Seminar Prefix Number Contact Lecture Lab Seminar Hours Title: Click here to enter text. Credit Hours Prerequisites Corequisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. C	I. ACTION TO BE TAKEN:														
NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. ILCOURSE IDENTIFICATION: PHAR 475 Advanced Compounding Course Prefix, Course Number – Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. CURRENT Prefix Number Contact Lecture Lab Seminar Prefix Number Contact Lecture Lab Seminar Hours Title: Click here to enter text. Credit Hours Prerequisites Corective Click here to enter text. Credit Hours Prerequisites Corective Click here to enter text. Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Click here to enter text. Course Outtones and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time All		☐ CREATE, ☐ MODIFY, OR ☒ DELETE													
If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. CURRENT Prefix Number Contact Lecture Lab Seminar Prefix Number Contact Lecture Lab Seminar Hours Title: Click here to enter text. Credit Hours Prerequisites Corequisites Corequisites Prerequisites Corequisites Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix £]: Practicum Independent Study 3. College Code: Choose an item. C. Department Code: Choose an item. C. Department Code: Choose an item. C. Department Code: Choose an item. C. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: No				· -	_	=			ate month	in which te	erm begins	i.			
Prefix Number Contact Hours Lecture Hours Lecture Hours Lecture Hours Prefix Number Contact Hours Lecture Hours Le	If Fo	deleting a co	ourse STO on, compl	Course P HERE. ete all fie	Prefix,	, Course Nu	ım e cl	ber – Col	urse Title						
Prefix Number Contact Hours Lecture Hours Lecture Hours Lecture Hours Prefix Number Contact Hours Lecture Hours Lecture Hours Prefix Number Contact Hours Lecture Hours Contact Hours Lecture Hours Lecture Hours Prefix Contact Hours Prefix Pre			CLIDD							DDODO	NCED.				
Credit Hours	Pre	efix Number	Contact	1	Lab	Seminar		Prefix	Number	Contact	1	Lab	Seminar		
Credit Hours	T:+	la. Click boro	to optor t	ov.t				Ti+lo. /	Click boro	to optor t	ovt.				
Course/Catalog Description (125 words) Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate (See Definitions in Appendix E): Practicum Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. C. Department Code: Choose an item. C. Department Code: Choose an item. C. Maximum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: No	_					<u>Co-</u>							<u>Co-</u>		
Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text.			TTCTCQ		red			Credi	Triours	Trereq	<u> </u>	red			
Click here to enter text. Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. C. Department Code: Choose an item. C. Credit Hours: Variable Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: No Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels:	Co	urse/Catalog	Description	on /125 w	ords)			Course	e/Catalog	Description	on /125 w	ords)			
Course Outcomes and Assessment Plan Click here to enter text. Course Outline including Time Allocation Click here to enter text. Course Outline including Time Allocation Click here to enter text. Click he			•	511 (125 W	orusy						311 (123 W	51 U3)			
Course Outline including Time Allocation Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study College Code: Choose an item. Co				sessment	Plan						sessment	Plan			
Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: Variable Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: No Yes – If yes, max times repeated: Click here to enter text. H. Levels:	Cli	ck here to en	ter text.												
A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: Practicum Independent Study College Code: Choose an item. Department Code: Choose an item. Variable Fixed Fixed Minimum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text. S. Hours may be repeated for additional credit: No Yes – If yes, max times repeated: Click here to enter text. H. Levels:	Со	urse Outline	including	Time Allo	cation	า		Course Outline including Time Allocation							
☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes — If yes, max times repeated: Click here to enter text. H. Levels:	<u> </u>														
□ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: □ Variable □ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: □ No □ Yes – If yes, max times repeated: Click here to enter text. H. Levels:		-		heck box	as app	propriate	[Se	e Definit	ions in App	pendix E]:					
B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: Variable Fixed E. Minimum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: No Ves – If yes, max times repeated: Click here to enter text. H. Levels:															
C. Department Code: Choose an item. D. Credit Hours: Variable Fixed Minimum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text. Hours may be repeated for additional credit: No Ves – If yes, max times repeated: Click here to enter text. C. Remax credits awarded: Click here to enter text. C. Hours may be repeated for additional credit: No Ves – If yes, max times repeated: Click here to enter text. C. Remax credits awarded: Click here to enter text. C. H. Levels:		•	•												
D. Credit Hours: Variable Fixed Minimum Credit Hours: Click here to enter text. Maximum Credit Hours: Click here to enter text. Hours may be repeated for additional credit: No Ves – If yes, max times repeated: Click here to enter text. H. Levels:		_													
 □ Variable □ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: □ No □ Yes – If yes, max times repeated: Click here to enter text. H. Levels: 		•		ose an it	em.										
 ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. H. Levels: 			:												
 E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: No Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: 		_													
F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: No Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels:			1												
 G. Hours may be repeated for additional credit: □ No □ Yes − If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: 															
 □ No □ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: 							τ.								
☐ Yes — If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels:			e repeate	u ior auui	lliona	r credit:									
H. Levels:					ا ما، د	و مرم ما باداد	L .		out OD ma			Clial	have to enter tout		
		•	s, max tin	nes repea	tea: (lick nere	ιο	enter te	ext. OK ma	ax credits	awarded	CIICK	nere to enter text		
□ Onueigiauuate			duato												
□ Craduate		_	uuale												
☐ Graduate			a a l												
☐ Professional . Grade Method:															

J.	Does the proposed course replace an equivalent cours	e?
	□ No	
	\square Yes – If yes, enter equivalent course: Click here to en	nter text.
	Course Prefix	r, Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
<i>T</i>	o be completed by Academic Affairs Office: <code>Standards</code> & Mea $ ceil$ Basic Skill (BS), $\ \square$ General Education, $\ \square$ Occupational Education,	_
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
0	FFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	-
E	ntered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ	

Effective Fall 2016 PHAR 551 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202001 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. **II.COURSE IDENTIFICATION: PHAR 551 Managed Care Pharmacy Pract** Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Lecture Seminar Lecture Contact Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate

☐ Professional Grade Method:

☐ Standard Letter Grading

J.	Does the proposed course replace an equivalent cour ☐ No	se?	
	☐ Yes – If yes, enter equivalent course: Click here to €	enter text	
		ix, Number – Course Title	
K.	Term(s) Offered: Click here to enter text.	x, Number Course rule	
L.	Max Section Enrollment:		
	Lecture: Click here to enter text.		
	Lab: Click here to enter text.		
	o be completed by Academic Affairs Office: Standards & Me Basic Skill (BS), General Education, Occupational Education,	_	<u>-</u>
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:	
_			
	FFICE OF THE REGISTRAR USE ONLY		
	ate Rec'd: Date Completed:	_	
l Er	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ		

	AR 552 Cou		ormatio	n Fo	rm (forr	n	erly F	orm E a	and Fo	rm F)			
	CTION TO BE ☐ CREATE, □		∕ OR ⊠	DFLF	TF								
D	esired Term OTE: The first j	Effective	Date (6-c	ligit c	ode): <mark>2020</mark>			ate month	in which te	erm begins	5.		
If Fo	OURSE IDENT deleting a co or modification creating a co	ourse STO on, compl	Course P HERE. lete all fie	Prefix	, Course Nu	ım : cl	ber – Col	urse Title					
		CURR	ENT						PROPO	SED			
Pre	fix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
	le: Click here	1			<u> </u>			Click here				Co	
	redit Hours	Prerec	luisites	re	Co- quisites		Credi	it Hours	Prereq	uisites	red	Co- quisites	
Со	urse/Catalog	Descripti	on <i>(125 w</i>	ords)			Course	e/Catalog	l Description	on <i>(125 w</i>	ords)		
	ck here to en	•		,				ere to ent	•	, -	/		
Со	urse Outcom	es and As	sessment	Plan			Course	e Outcome	es and Ass	sessment	Plan		
Cli	ck here to en	ter text.					Click h	ere to ent	ter text.				
Со	urse Outline	including	Time Allo	catio	า		Course	e Outline i	ncluding	Time Allo	catior	ı	
Cli	ck here to en	ter text.					Click h	ere to ent	ter text.				
	If not LEC/LA		heck box	as ap	propriate <i>[</i>	[Se	e Definit	ions in App	endix E]:				
	☐ Practicum												
		-											
	College Code												
	Department		oose an it	em.									
	Credit Hours	• •											
	☐ Variable —												
	☐ Fixed												
	Minimum Cre												
	Maximum Cr					t.							
	Hours may be	e repeate	d for add	itiona	l credit:								
	□ No				811 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				191		CI: I		
	•	is, max tin	nes repea	ited: (LIICK here	ľΟ	enter te	ext. OR ma	ax credits	awarded	: Click	here to enter te	τ.
	Levels:	d., a.k.c											
	☐ Undergrad	uuate											
	☐ Graduate												
	☐ Profession												
١.	Grade Metho	od:											

J.	Does the proposed course replace an equivalent cours	e?
	□ No	
	\square Yes – If yes, enter equivalent course: Click here to en	nter text.
	Course Prefix	r, Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
<i>T</i>	o be completed by Academic Affairs Office: <code>Standards</code> & Mea $ ceil$ Basic Skill (BS), $\ \square$ General Education, $\ \square$ Occupational Education,	_
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
0	FFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	-
E	ntered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ	

Effective Fall 2016

PHA	R 553 Cou	ırse Info	rmatio	n Foi	rm (forr	n	erly F	orm E a	and Fo	rm F)			
	ION TO BE				•		•			,			
	CREATE, □		OR 🖾	DELE	TF								
_	CKLAIL, L	WODII	, or B	DLLL									
Dec	sired Term	Effective	Date 16-c	ligit c	nde): 202(nn [.]	1						
	TE: The first f		=	_	=			ate month	in which te	rm heains	5		
740	i E. Trie jii Se j	our argits	marcate y	zar, cri	e next two	ung	gres mare	ace monen	m winen ce	.m begins	,.		
II.COL	JRSE IDENT	IFICATIO	N: PHAR !	553 Pa	alliative C	are	2						
					, Course Νι			urse Title					
If d	eleting a co	urse STO	P HERE.										
For	modification	on, compl	ete all fie	elds th	nat will be	cŀ	nanged.						
If cr	eating a co	urse, con	iplete <u>all</u>	relev	ant fields								
		CURR	ENT						PROPO	SED			
Prefix	Number	Contact	Lecture	Lab	Seminar		Prefix	Number	Contact	Lecture	Lab	Seminar	
		Hours							Hours				
Title	: Click here	to enter t	ext	1			Title: (Click here	to enter t	ext	1		
	dit Hours		uisites		Co-			it Hours		uisites		Co-	
0.0				red	quisites		0.00.				red	uisites	
Cour	se/Catalog	Description	on <i>(125 w</i>	ords)			Course	e/Catalog	Description	on <i>(125 w</i>	ords)		
Click	here to en	ter text.					Click h	ere to ent	ter text.				
Cour	se Outcom	es and As	sessment	Plan			Course	e Outcom	es and As	sessment	Plan		
Click	here to en	ter text.					Click h	ere to ent	ter text.				
	se Outline i		Time Allo	catio	า			e Outline i		Time Allo	cation	1	
	here to en					<u> </u>	L	ere to ent					
	not LEC/LA		neck box	as ap _l	propriate	[Se	e Definit	ions in App	endix E]:				
	Practicum												
	Independe	-											
	ollege Code												
	epartment (ose an it	em.									
	edit Hours:												
	Variable												
	Fixed												
	inimum Cre												
	aximum Cr					t.							
	ours may be	e repeate	d for add	itiona	l credit:								
	No .												
	-	s, max tin	nes repea	ited: (Click here	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to ente	er text.
H. Le													
	Undergrad	duate											
	Graduate												
	Profession												
l. Gi	rade Metho	od:											

 \square Standard Letter Grading

J.	Does the proposed course replace an equivalent course	?
	□ No	
	☐ Yes – If yes, enter equivalent course: Click here to en	ter text.
	Course Prefix,	Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
To	be completed by Academic Affairs Office: Standards & Meas	sures Coding and General Education Code
	Basic Skill (BS), \square General Education, \square Occupational Educ	ation, Gen Ed. Codes:
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
	THE OF THE DECISTOR AND LIST ONLY	
	FICE OF THE REGISTRAR USE ONLY ate Rec'd: Date Completed:	
$-\nu$		

PHAR 554 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202001 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 554 Comp & Alt Med for Clin Pharm Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Lab Seminar Lecture Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J.	Does the proposed course replace an equivalent cours ☐ No	e?
	☐ Yes – If yes, enter equivalent course: Click here to e	nter text.
		κ, Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
	o be completed by Academic Affairs Office: <code>Standards</code> & Mea $ m I$ Basic Skill (BS), $\ \square$ General Education, $\ \square$ Occupational Edu	_
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
0	FFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	_
l Ei	ntered: \(\subseteq \text{SCACRSE}, \subseteq \text{SCADETI}, \subseteq \text{SCARRES}, \subseteq \text{SCAPREO}	

PHAR 556 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202001 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 556 Spec Topics in Comm Pharm Prac Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Lab Seminar Lecture Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels:

☐ Undergraduate

☐ Credit/No Credit

☐ Standard Letter Grading

☐ Graduate
☐ Professional
Grade Method:

372

J. Does the proposed course repla	e an equivalent course?
□ No	
\square Yes – If yes, enter equivalent	ourse: Click here to enter text.
• • • • • •	Course Prefix, Number – Course Title
K. Term(s) Offered: Click here to e	ter text.
L. Max Section Enrollment:	
Lecture: Click here to enter text	
Lab: Click here to enter text.	
To be completed by Academic Affairs	Office: Standards & Measures Coding and General Education Code
☐ Basic Skill (BS), ☐ General Educat	n, 🗆 Occupational Education, Gen Ed. Codes:
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR USE ONLY	
Date Rec'd: Date Comp	ted:
Entered TSCACRSE TSCADETI T	ARRES

I. ACT	R 558 COUTON TO BE CREATE,	TAKEN:			`	n	erly F	orm E a	and Fo	rm F)		
	sired Term TE: The first f		-	•	-			ate month	in which te	erm begins	i.	
If d	JRSE IDENT eleting a co modification reating a co	urse STO on, compl	Course P HERE. ete all fie	Prefix,	, Course Nu	um e ch	ber – Co	urse Title	gn			
		CURR	FNT						PROPO	SFD		
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar
Title	: Click here	to enter t	ext				Title: (Click here	to enter t	eyt		
	dit Hours		juisites	red	Co- quisites			it Hours		uisites		Co- quisites
6.	/C	D	/425				6	16 - 1 - 1	D	/405		
	rse/Catalog here to ent	•	on <i>(125 w</i>	ords)			1	e/Catalog ere to ent	•	on (125 w	ords)	
	rse Outcom		sessment	Plan				e Outcome		sessment	Plan	
	here to en							ere to ent				
Cour	se Outline i	ncluding	Time Allo	cation	า		Course	e Outline i	ncluding	Time Allo	cation	1
	here to en						L	ere to ent				
	not LEC/LA		heck box	as apı	oropriate	[Se	e Definit	ions in App	endix E]:			
	Practicum											
	Independe	-										
	ollege Code			0.00								
	epartment (redit Hours:		Jose all it	em.								
	Variable											
	Fixed											
	linimum Cre	edit Hours	: Click he	re to	enter text							
	laximum Cr											
	ours may be											
] No	·										
	Yes – If ye	s, max tin	nes repea	ted: (Click here	to	enter te	ext. OR ma	x credits	awarded	Click	here to enter text
H. Le	-	•	•									
	Undergrad	duate										
	Graduate											
	Profession	nal										
I. G	rade Metho	d:										

 $\hfill\Box$ Standard Letter Grading

J. Does the proposed course repl	ce an equivalent course?
□ No	
\square Yes – If yes, enter equivalent	course: Click here to enter text.
	Course Prefix, Number – Course Title
K. Term(s) Offered: Click here to e	nter text.
L. Max Section Enrollment:	
Lecture: Click here to enter tex	
Lab: Click here to enter text.	
To be completed by Academic Affair	Office: Standards & Measures Coding and General Education Code
☐ Basic Skill (BS), ☐ General Education	on, 🗌 Occupational Education, Gen Ed. Codes:
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
	
OFFICE OF THE REGISTRAR USE ONLY	
Date Rec'd: Date Com	eted:
Entered TSCACRSE TSCADETI T	CARRES TSCAPREO

PHAR 559 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202001 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 559 Interdis Community Practicum Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Lab Seminar Lecture Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J.	Does the proposed course replace an equivalent course ☐ No	2?
		tortout
	☐ Yes – If yes, enter equivalent course: Click here to er	
	Course Prefix	, Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
<i>T</i> (o be completed by Academic Affairs Office: Standards & Mea Basic Skill (BS), General Education, Coccupational Education	_
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
	FFICE OF THE REGISTRAR USE ONLY	
	ate Rec'd: Date Completed:	
Eı	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

PHAR 560 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202001 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. **II.COURSE IDENTIFICATION: PHAR 560 Advance Card Life Support** Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Lab Seminar Number Lecture Prefix Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate

☐ Professional Grade Method:

☐ Standard Letter Grading

J.	Does the proposed course replace an equivalent cours	e?
	□ No	
	\square Yes – If yes, enter equivalent course: Click here to en	nter text.
	Course Prefix	r, Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
<i>T</i>	o be completed by Academic Affairs Office: <code>Standards</code> & Mea $ ceil$ Basic Skill (BS), $\ \square$ General Education, $\ \square$ Occupational Education,	_
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
0	FFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	-
E	ntered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ	

РН	AR 562 Co	urse Info	ormatio	n Foi	m (fori	n	erly F	orm E a	and Fo	rm F)		
	CTION TO BE				`		,			,		
	CREATE,	MODIF	Y, OR ⊠	DELE	TE							
	Desired Term OTE: The first		-	_	=			ate month	in which te	erm begins	i.	
If Fo	deleting a coor modificati	ourse STO on, compl	Course P HERE. lete all fie	Prefix,	, Course Nu	um e cl	ber – Col					
		CLIDD	FNIT						DDODO	OCED.		
Pre	efix Number	CURR Contact Hours	Lecture	Lab	Seminar		Prefix	Number	PROPO Contact Hours	Lecture	Lab	Seminar
T:+	le: Click here	to optor t	tovt				Title: /	Click here	to optor t	i ovrt		
	redit Hours		uisites		Co-		1	it Hours	I	uisites		Co-
		TTCTCC		red	quisites		Credi	Triours	110100		red	quisites
Co	urse/Catalog	Description	on <i>(125 w</i>	ords)			Course	e/Catalog	<u> </u> Description	on <i>(125 w</i>	ords)	
	ck here to en	•	011 (123 11	o. u.s,				ere to ent		311 (123 11	<i>5. 45)</i>	
Со	urse Outcom	es and As	sessment	Plan			Course	e Outcom	es and As	sessment	Plan	
Cli	ck here to en	ter text.					Click h	ere to ent	ter text.			
Со	urse Outline	including	Time Allo	catior	า		Course	e Outline i	ncluding	Time Allo	catior	1
	ck here to en							ere to ent				
A.	If not LEC/LA		heck box	as app	oropriate	[Se	e Definit	ions in App	endix E]:			
	☐ Practicum											
	☐ Independ	•										
	College Code											
	Department		oose an it	em.								
	Credit Hours Variable	:										
	_											
	☐ Fixed Minimum Cr	adit Haur	c. Click bo	ro to	ontor toyt	-						
	Maximum Ci											
	Hours may b					ι.						
	□ No	c repeate	a for dad	itiona	r creare.							
		s may tin	nes renea	ted: (lick here	to	enter te	ext OR ma	ay credits	awarded	· Click	here to enter text
	Levels:	.5, max tin	пезтереа	icu.	onek nere		CIICCI CC	.xt. OK IIIt	ax ci cuits	awaraca	· CITCK	nere to enter text
	☐ Undergra	duate										
	☐ Graduate											
	☐ Professio											
	Grade Meth											

J.	Does the proposed course replace an equivalent course?	
	□ No	
	☐ Yes — If yes, enter equivalent course: Click here to enter text.	
	Course Prefix	r, Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
<i>T</i>	o be completed by Academic Affairs Office: <code>Standards</code> & Mea $ ceil$ Basic Skill (BS), $\ \square$ General Education, $\ \square$ Occupational Education,	_
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
0	FFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	-
E	ntered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ	

PH	AR 563 Cou	urse Info	ormatio	HAR 563 Course Information Form (formerly Form E and Form F)										
	CTION TO BE				`		,			,				
	□ CREATE, □		OR 🛛	DFLF	TF									
_	- CREATE, E	i wiodii i	, on <u>a</u>	DLLL										
г	Desired Term	Effective	Date (6-d	ligit c	ode): 2020	າດ	1							
	IOTE: The first j		-	•	-			ate month	in which te	erm beains	5.			
		,	,,,	, ,			J							
II.C	OURSE IDENT	IFICATIO	N: PHAR !	563 S _l	pec Pop Po	ed	s Geriat	rics						
			Course	Prefix	, Course Νι	ım	ber – Co	urse Title						
If	deleting a co	urse STO	P HERE.											
F	or modification	on, compl	ete all fie	lds th	nat will be	cl	hanged.							
If	creating a co	urse, con	າplete <u>all</u>	relev	ant fields.									
		CURR	1	T .				1	PROPO		1 .			
Pre	efix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar		
		Hours							Hours					
Tit	tle: Click here	to enter t	ext.	.1	1		Title:	Click here	to enter t	ext.	l			
С	redit Hours	Prerec	uisites		Co-		Cred	it Hours	Prerec	uisites		Co-		
				red	quisites						red			
	ourse/Catalog	•	on <i>(125 w</i>	ords)			Course/Catalog Description (125 words)							
	ick here to en						Click here to enter text.							
_	ourse Outcom		sessment	Plan			Course Outcomes and Assessment Plan							
_	ick here to en		T' A II .				Click here to enter text.							
-	ourse Outline inck here to en		Time Allo	catioi	n		Course Outline including Time Allocation							
			heck hov	20 2n	nronriate	[Sa	Click here to enter text. See Definitions in Appendix E]:							
<i>,</i>	☐ Practicum		ICCK DOX	us up	propriate	ĮJC	e Dejiiii	.ioiis iii App	chaix Lj.					
	☐ Independe													
R	College Code	-												
	Department			em										
	Credit Hours		,000 011 10											
٥.	☐ Variable	•												
	☐ Fixed													
F.	Minimum Cre	edit Hours	s: Click he	re to	enter text									
	Maximum Cr													
G.	Hours may be	e repeate	d for add	itiona	I credit:									
	□ No	·												
	☐ Yes – If ye	s, max tin	nes repea	ıted: (Click here	to	enter te	ext. OR ma	ax credits	awarded	: Click	here to ente	r text.	
Н.	Levels:	•												
	☐ Undergrad	duate												
	☐ Graduate													
	☐ Profession	nal												
I.	Grade Metho													

J.	Does the proposed course replace an equivalent course?											
	□ No											
	\square Yes – If yes, enter equivalent course: Click here to enter text.											
	Course Prefix	, Number – Course Title										
K.	Term(s) Offered: Click here to enter text.											
L.	ax Section Enrollment:											
	Lecture: Click here to enter text.											
	Lab: Click here to enter text.											
<i>T</i>	o be completed by Academic Affairs Office: Standards & Mea Basic Skill (BS), General Education, Occupational Educ	_										
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:										
0	FFICE OF THE REGISTRAR USE ONLY											
_	FFICE OF THE REGISTRAR USE ONLY ate Rec'd: Date Completed:											

Effective Fall 2016 PHAR 564 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202001 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 564 Integr Team-Based Health Care Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Lecture Seminar Lecture Contact Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J.	Does the proposed course replace an equivalent course?									
	□ No									
	☐ Yes — If yes, enter equivalent course: Click here to enter text.									
	Course Prefix,	Number – Course Title								
K.	Term(s) Offered: Click here to enter text.									
L. Max Section Enrollment:										
Lecture: Click here to enter text.										
	Lab: Click here to enter text.									
To	be completed by Academic Affairs Office: Standards & Meas	sures Coding and General Education Code								
	Basic Skill (BS), \square General Education, \square Occupational Educ	ation, Gen Ed. Codes:								
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
	THE OF THE DECISTOR AND LIST ONLY									
	FICE OF THE REGISTRAR USE ONLY ate Rec'd: Date Completed:									
$-\nu$										

I. A	PHAR 605 Course Information Form (formerly Form E and Form F) . ACTION TO BE TAKEN: □ CREATE, □ MODIFY, OR ☑ DELETE													
	Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.													
lf Fe	deletir	ng a co ificatio	urse STOI n, compl	Course P HERE. ete all fie	Prefix, Ids th	cademic A , Course Nu nat will be ant fields	um.	ber – Co						
			CURRI	ENT						PROPO	OSED]
Pre	efix Nu	umber	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
Tit	le: Click	k here t	o enter t	ext.				Title: (Click here	to enter t	ext.			
С	redit H	redit Hours Prerequisites Co- requisites					Cred	it Hours	Prerec	uisites	rec	Co- quisites		
Со	urse/Ca	atalog	Description	on <i>(125 w</i>	ords)			Course	e/Catalog	Description	on <i>(125 w</i>	ords)		
	ck here		•	,					nere to en		,			
Со	urse O	utcome	s and Ass	sessment	Plan			Course	e Outcom	es and As	sessment	Plan		
Cli	ck here	to ent	er text.					Click h	nere to en	ter text.				
				Time Allo	catior	1			e Outline i		Time Allo	catior	1	
	ck here							Click here to enter text.						
Α.	☐ Prac		3/SEIVI, Cr	теск рох а	as app	oropriate	ĮSe	е рејіпі	tions in App	enaix Ej:				
			nt Study											
R		•	Choose a	an itam										
	_			ose an ite	⊇m									
	Credit		ouc. ene	ose an re	C1111									
٠.	☐ Vari													
	☐ Fixe													
E.			dit Hours	: Click he	re to	enter text	-							
						enter tex								
				d for addi										
	□ No	•	·											
	☐ Yes	– If yes	s, max tim	nes repea	ted: 0	Click here	to	enter te	ext. OR ma	ax credits	awarded	Click	here to e	nter text.
Н.	Levels:	•		·										
	□ Und	lergrad	uate											
	☐ Gra	_												
	☐ Prof	ession	al											
l.	Grade	Metho	d:											

J.	Does the proposed course replace an equivalent course?									
	□ No									
	☐ Yes — If yes, enter equivalent course: Click here to enter text.									
	Course Prefi	x, Number – Course Title								
K.	Term(s) Offered: Click here to enter text.									
L. Max Section Enrollment:										
	Lecture: Click here to enter text.									
	Lab: Click here to enter text.									
<i>T</i>	o be completed by Academic Affairs Office: <code>Standards</code> & Me \Box Basic Skill (BS), \Box General Education, \Box Occupational Edu	_								
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
0	FFICE OF THE REGISTRAR USE ONLY									
D	ate Rec'd: Date Completed:	_								
E	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ									

PHAP 606 Course Information Form (formerly Form F and Form F)

PH.	PHAR 606 Course Information Form (formerly Form E and Form F)													
	I. ACTION TO BE TAKEN:													
	CREATE,	☐ MODIF	Y, OR ⊠	DELE	TE									
_		-66												
		m Effective	·=	_	=		cata manth	in which t	arm basins	-				
Λ	NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.													
II.C	OURSE IDE	NTIFICATIO	N: PHAR	606 D	rug Inform	ation AF	PPE							
					, Course Nu									
If	deleting a	course STC	P HERE.											
		ition, comp				changed								
If	creating a	course, cor	mplete <u>all</u>	relev	ant fields.									
		CURF	RENT					PROP	OSED]		
Pre	efix Numb		Lecture	Lab	Seminar	Prefix	Number	Contact	Lecture	Lab	Seminar	-		
		Hours						Hours				-		
Tit	le: Click he	re to enter	tevt			Title	Click here	to enter t	tevt			-		
	redit Hours	1	quisites		Co-		dit Hours	1	quisites		Co-	-		
			90.0.00	re	quisites				10000	rec	quisites			
		og Descript	ion <i>(125 w</i>	ords)			se/Catalog	•	on <i>(125 w</i>	ords)		-		
	ck here to						here to en					-		
	ck here to	mes and As	ssessment	Plan			se Outcom		sessment	Plan		-		
		e including	Time Allo	catio	1		Click here to enter text. Course Outline including Time Allocation							
	ck here to		Time Time	catio	'		here to en		711116 71110	cation		-		
A.	If not LEC/	LAB/SEM, C	heck box	as ap	propriate [_1		
	☐ Practice	ım												
	□ Indepe	ndent Study	<i>'</i>											
В.	College Co	de: Choose	an item.											
	•	nt Code: Ch	oose an it	em.										
D.	Credit Hou													
	☐ Variable	9												
г	☐ Fixed	Cradit Haur	o. Cliak ba	.ro +o	antar taut									
	-	Credit Hour Credit Hou												
		be repeate												
٥.		De l'epeate			· cr cure.									
		yes, max tiı	mes repea	ited: (Click here t	o enter t	ext. OR ma	ax credits	awarded	: Click	here to e	enter text.		
Н.	Levels:	, ,		• •										
	☐ Underg	raduate												
	☐ Gradua													
	☐ Profess	ional												
I.	Grade Me	:hod:												
	☐ Standar	d Letter Gr	ading											

J. Does th	Does the proposed course replace an equivalent course?										
\square No											
☐ Yes -	☐ Yes – If yes, enter equivalent course: Click here to enter text.										
	Course Pre	efix, Number – Course Title									
K. Term(s)	Offered: Click here to enter text.										
L. Max Section Enrollment:											
Lecture	ecture: Click here to enter text.										
Lab: Clic	k here to enter text.										
To be comp	leted by Academic Affairs Office: Standards & M	leasures Coding and General Education Code									
☐ Basic Ski	II (BS), 🗌 General Education, 🗌 Occupational Ed	ducation, Gen Ed. Codes:									
UCC Chair S	ignature & Date:	Academic Affairs Approval Signature & Date:									
	THE REGISTRAR USE ONLY										
-	Date Completed:										
Entered://	SCACRSE TSCADETI TSCARRES TSCAPRED										

Effective Fall 2016 PHAR 609 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. **II.COURSE IDENTIFICATION: PHAR 609 Prof Organization Manage APPE** Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Lecture Seminar Contact Lab Prefix Number Contact Lecture Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J.	Does the proposed course replace an equivalent course?									
	□ No									
	☐ Yes – If yes, enter equivalent course: Click here to enter text.									
	Course Prefix	r, Number – Course Title								
K.	Term(s) Offered: Click here to enter text.									
L.	Max Section Enrollment:									
	Lecture: Click here to enter text.									
	Lab: Click here to enter text.									
<i>T</i>	o be completed by Academic Affairs Office: <code>Standards</code> & Mea $ ceil$ Basic Skill (BS), $\ \square$ General Education, $\ \square$ Occupational Educ	_								
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
0	FFICE OF THE REGISTRAR USE ONLY									
D	ate Rec'd: Date Completed:	-								
E	ntered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ									

I. ACT	R 613 Coulon to be CREATE, \square	TAKEN:			`	n	erly F	orm E a	and Fo	rm F)			
	Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.												
If de	IRSE IDENT eleting a co modification eating a co	urse STO	Course P HERE. ete all fie	Prefix, elds th	, Course Nu	um e cl	ber – Co	urse Title					
		CURR	FNT			Ī			PROPO	OSED			
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
Title	Click here	to enter t	evt				Title: (Click here	to enter t	evt			
	dit Hours	Prerequisites Co- requisites					it Hours	1	uisites		Co- quisites		
							_						
	se/Catalog		on <i>(125 w</i>	ords)		-	1	Course/Catalog Description (125 words) Click here to enter text.					
	here to ent		coccmont	Dlan				e Outcome		coccmont	Dlan		
	here to ent		36331116111	riaii				ere to ent		56331116111	riaii		
	se Outline i		Time Allo	catior	า		Course Outline including Time Allocation						
	here to ent						Click here to enter text.						
A. If	not LEC/LA	B/SEM, Cl	heck box	as app	oropriate	[Se	e Definit	ions in App	endix E]:				
	Practicum												
	Independe	•											
	ollege Code												
	epartment (ose an it	em.									
	edit Hours:												
	Variable												
	Fixed	adi+ Harre	. Cliak ba	ro +o	antar tavt								
	inimum Cre aximum Cre												
	ours may be					ι.							
	No	Герейс	a for ada	ciona	r creare.								
		s max tin	nes renea	ted: (lick here	tο	enter te	ext OR ma	ax credits	awarded	· Click	here to enter tex	
H. Le	-	5, 111ax cm	пер герей	teu. e	on on the c				ax or cares	awa. aca	· Onon	nere to enter tex	
_	Undergrad	duate											
	Graduate												
	Profession	ıal											
	ade Metho												

 $\hfill\Box$ Standard Letter Grading

J.	Does the proposed course replace an equivalent course?									
	□ No									
	☐ Yes — If yes, enter equivalent course: Click here to enter text.									
	Course Prefix,	Number – Course Title								
K.	Term(s) Offered: Click here to enter text.									
L. Max Section Enrollment:										
Lecture: Click here to enter text.										
	Lab: Click here to enter text.									
To	be completed by Academic Affairs Office: Standards & Meas	sures Coding and General Education Code								
	Basic Skill (BS), \square General Education, \square Occupational Educ	ation, Gen Ed. Codes:								
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
	THE OF THE DECISTOR AND LIST ONLY									
	FICE OF THE REGISTRAR USE ONLY ate Rec'd: Date Completed:									
$-\nu$										

PH	HAR 617 Course Information Form (formerly Form E and Form F)												
	. ACTION TO BE TAKEN:												
	CREATE,	MODIF	Y, OR ⊠	DELE	TE								
	Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.												
If Fo	OURSE IDENT deleting a co or modificati creating a co	ourse STO on, compl	Course P HERE. lete all fie	Prefix,	Course Nu	um e ch	ber – Col	urse Title	E				
		CURR	FNT						PROPO	OSED			
Pre	efix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
Ti+	le: Click here	to ontor t	toyt				Titlo: (Click here	to ontor t	ovt			
	redit Hours	1			Co-			it Hours		uisites		Co-	
	redit Hours Prerequisites Co- requisites										red	quisites	
Co	urse/Catalog	Description	on <i>(125 w</i>	ords)			Course/Catalog Description (125 words)						
_	ck here to en	•	011 (123 W	orusy				ere to en		311 (123 17)	51 43)		
	urse Outcom		sessment	Plan			Course Outcomes and Assessment Plan						
Cli	ck here to en	ter text.					Click h	ere to en	ter text.				
Со	urse Outline	including	Time Allo	cation	ı		Course	e Outline i	including	Time Allo	catior	1	
Cli	ck here to en	ter text.					Click here to enter text.						
A.			heck box	as apı	oropriate ,	[Se	See Definitions in Appendix E]:						
	☐ Practicum												
_	☐ Independ												
	College Code												
	Department		oose an it	em.									
υ.	Credit Hours	:											
	☐ Variable												
_	☐ Fixed		Cl: -l. l	4									
	Minimum Cr Maximum Cr												
	Hours may b					ι.							
u.	□ No	e repeate	u ioi auui	itiona	r credit.								
		ac may tin	nac ranas	tad. (lick hare	t o	antar ta	ovt OR ma	av cradits	awardad	Click	here to enter text	
н	Levels:	23, IIIAX UII	пезтереа	icu. c	JICK HEIE	LU	enter te	on in	ax credits	awarueu	. CITCK	nere to enter text	
	☐ Undergra	duate											
	☐ Graduate												
	☐ Professio												
I.	Grade Meth												

J.	Does the proposed course replace an equivalent course?									
	□ No									
	☐ Yes — If yes, enter equivalent course: Click here to enter text.									
	Course Prefi	x, Number – Course Title								
K.	Term(s) Offered: Click here to enter text.									
L. Max Section Enrollment:										
	Lecture: Click here to enter text.									
	Lab: Click here to enter text.									
<i>T</i>	o be completed by Academic Affairs Office: <code>Standards</code> & Me \Box Basic Skill (BS), \Box General Education, \Box Occupational Edu	_								
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:								
0	FFICE OF THE REGISTRAR USE ONLY									
D	ate Rec'd: Date Completed:	_								
E	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ									

PHAR 618 Course Information Form (formerly Form E and Form F) . ACTION TO BE TAKEN: □ CREATE, □ MODIFY, OR ☑ DELETE													
	Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.												
If do	COURSE IDENTIFICATION: PHAR 618 Managed Care APPE Course Prefix, Course Number – Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields.												
		CURR	FNIT				1		PROPO	SED			
Prefix	Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
Title	: Click here	to enter t	ext				Title: (Click here	to enter t	ext			
	dit Hours	1	uisites	red	Co- quisites			it Hours	Prereq			Co- quisites	
	se/Catalog	-	on <i>(125 w</i>	ords)				e/Catalog	•	on <i>(125 w</i>	ords)		
	here to ent							ere to ent					
	se Outcome		sessment	Plan				e Outcome		sessment	Plan		
	here to ent se Outline i		Time Allo	cation	<u> </u>			ere to ent e Outline i		Time Alla	cation	,	
	here to ent		Time 7 tho	catioi				ere to ent		Time 7 mo	catioi	'	
	not LEC/LA		heck box	as app	propriate	[Se	L						
	Practicum												
	Independe	ent Study											
B. Co	ollege Code	: Choose a	an item.										
C. D	epartment (Code: Cho	ose an it	em.									
_	edit Hours:												
] Variable												
	Fixed												
	linimum Cre												
F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit:													
	No	repeate	u ioi auui	tiona	r credit.								
	Yes – If ye:	s may tin	nes renea	ted: (lick here	to	enter te	ext OR ma	ax credits	awarded [.]	Click	here to er	iter text
⊢ H. Le	•	o, max um	сэ герса	ccu. c	ok Here			OR IIIC	an credits	a vvai aca.	· CITCK	60 61	text.
	Undergrad	luate											
	Graduate												
	Profession	ıal											
	rade Metho												

J. Does th	e proposed course replace an equivalent cou	irse?			
\square No					
☐ Yes -	- If yes, enter equivalent course: Click here to	enter text.			
	Course Pre	efix, Number – Course Title			
K. Term(s)	Offered: Click here to enter text.				
L. Max Sec	ction Enrollment:				
Lecture	: Click here to enter text.				
Lab: Clic	k here to enter text.				
To be comp	leted by Academic Affairs Office: Standards & M	leasures Coding and General Education Code			
☐ Basic Ski	II (BS), 🗌 General Education, 🗌 Occupational Ed	ducation, Gen Ed. Codes:			
UCC Chair S	ignature & Date:	Academic Affairs Approval Signature & Date:			
	THE REGISTRAR USE ONLY				
-	Date Completed:				
Entered://	Entered: \Box SCACRSE \Box SCADETI \Box SCARRES \Box SCAPREO				

 \square Credit/No Credit

PHAR 625 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN:													
□ CREATE, □ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.													
II.COURSE IDENTIFICATION: PHAR 625 Spec Comm Practice APPE Course Prefix, Course Number – Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields.													
		CURR	ENT						PROPO	SED			
Pre	fix Number	Contact Hours	Lecture	Lab	Seminar		Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
T;+I	e: Click here	to optor t	ovt				Ti+lo: (Click here	to optor t	ovt			
	edit Hours		uisites		Co-			it Hours	Prereq			Co-	
				red	quisites		0.00.				red	quisites	
Cou	ırse/Catalog	Description	on <i>(125 w</i>	ords)			Course	e/Catalog	Description	on <i>(125 w</i>	ords)		
	k here to en	•	,				1	ere to ent	•	,			
Cou	ırse Outcom	es and As	sessment	Plan			Course	e Outcome	es and Ass	sessment	Plan		
	k here to en						Click here to enter text.						
	ırse Outline i		Time Allo	catior	ו			e Outline i		Time Allo	catior	1	
	k here to ent f not LEC/LA		hock box	26.20	aronriato	[Co	L	ere to ent					I
	☐ Practicum		HECK DOX	as app	oropriate ,	ĮSE	е рејіні	юнз ні Арр	ieriuix Ej.				
	□ Independe												
	⊒ macpenae College Code	•	an item										
	Department (em.									
	Credit Hours:												
	☐ Variable												
	☐ Fixed												
E. 1	Minimum Cre	edit Hours	s: Click he	re to	enter text								
F. I													
G. I													
I	□ No												
I	\square Yes – If ye	s, max tin	nes repea	ted: 0	Click here	to	enter te	ext. OR ma	ax credits	awarded	Click	here to er	nter text.
H. I	-evels:												
ĺ	☐ Undergrad	duate											
I	☐ Graduate												
I	☐ Profession	nal											
l. Grade Method:													

J.	Does the proposed course replace an equivalent cours	e?
	□ No	
	\square Yes – If yes, enter equivalent course: Click here to en	nter text.
	Course Prefix	r, Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
<i>T</i>	o be completed by Academic Affairs Office: <code>Standards</code> & Mea $ ceil$ Basic Skill (BS), $\ \square$ General Education, $\ \square$ Occupational Educ	_
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
0	FFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	-
E	ntered: □ SCACRSE, □ SCADETL, □ SCARRES, □ SCAPREQ	

Effective Fall 2016 PHAR 626 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. **II.COURSE IDENTIFICATION: PHAR 626 Veterinary Medicine APPE** Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Seminar Lecture Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J. Does	s the proposed course replace an equivalent cou	ırse?
\square N	0	
□ Ye	es – If yes, enter equivalent course: Click here to	enter text.
	Course Pro	efix, Number – Course Title
K. Term	n(s) Offered: Click here to enter text.	
L. Max	Section Enrollment:	
Lectu	ure: Click here to enter text.	
Lab:	Click here to enter text.	
	mpleted by Academic Affairs Office: Standards & N Skill (BS), ☐ General Education, ☐ Occupational E	_
	, , , , , , , , , , , , , , , , , , , ,	
UCC Chai	ir Signature & Date:	Academic Affairs Approval Signature & Date:
OFFICE C	OF THE REGISTRAR USE ONLY	
Date Red	c'd: Date Completed:	<u></u>
Entered:	$: \Box SCACRSE, \Box SCADETL, \Box SCARRES, \Box SCAPREQ$	

PHAR 628 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. **II.COURSE IDENTIFICATION: PHAR 628 Nuclear Pharmacy APPE** Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Seminar Lecture Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate

☐ Professional Grade Method:

☐ Standard Letter Grading

J.	Does the proposed course replace an equivalent course	2?
	□ No	
	☐ Yes – If yes, enter equivalent course: Click here to en	ter text.
	Course Prefix,	Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
	o be completed by Academic Affairs Office: Standards & Mea Basic Skill (BS), General Education,	_
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
0	FFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	
F	ntered TSCACRSE TSCADETI TSCARRES TSCAPRED	

PHAR 650 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 650 Special Top Inpatient Med APPE Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Lecture Seminar Lecture Contact Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J.	Does the proposed course replace an equivalent course	2?
	□ No	
	☐ Yes – If yes, enter equivalent course: Click here to en	ter text.
	Course Prefix,	Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
	o be completed by Academic Affairs Office: Standards & Mea Basic Skill (BS), General Education,	_
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:
0	FFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	
F	ntered TSCACRSE TSCADETI TSCARRES TSCAPRED	

Effective Fall 2016 PHAR 655 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. **II.COURSE IDENTIFICATION: PHAR 655 Special Top Amb Care APPE** Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Seminar Lecture Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J.	. Does the proposed course replace an equivalent course?					
	□ No					
	☐ Yes – If yes, enter equivalent course: Click here to e	enter text.				
	Course Pref.	ix, Number – Course Title				
K.	Term(s) Offered: Click here to enter text.					
L.	Max Section Enrollment:					
	Lecture: Click here to enter text.					
	Lab: Click here to enter text.					
T	o be completed by Academic Affairs Office: Standards & Me	asures Coding and General Education Code				
	Basic Skill (BS), 🗌 General Education, 🗌 Occupational Ed	ucation, Gen Ed. Codes:				
	C Chair Cianatama & Data	Andrewin Affaire Arrange Cinestons & Date				
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:				
_						
	SELECT OF THE DECICTORD LICE ONLY					
	IFFICE OF THE REGISTRAR USE ONLY ate Rec'd: Date Completed:					
	ntorad: DSCACESE DSCADETI DSCABBES DSCABBEO	_				

Effective Fall 2016 PHAR 661 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 661 Corporate Pharmacy MBA APPE Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Lecture Seminar Lecture Contact Lab Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable

☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional Grade Method: ☐ Standard Letter Grading ☐ Credit/No Credit

J.	Does the proposed course replace an equivalent course? ☐ No						
	☐ Yes – If yes, enter equivalent course: Click here to enter text.						
		ix, Number – Course Title					
K.	Term(s) Offered: Click here to enter text.	x, Number Course rule					
L.	Max Section Enrollment:						
	Lecture: Click here to enter text.						
	Lab: Click here to enter text.						
	o be completed by Academic Affairs Office: Standards & Me Basic Skill (BS), General Education, Occupational Education,	_	<u>-</u>				
UC	C Chair Signature & Date:	Academic Affairs Approval Signature & Date:					
_							
	FFICE OF THE REGISTRAR USE ONLY						
	ate Rec'd: Date Completed:	_					
l Er	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ						

Effective Fall 2016 PHAR 662 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 662 Pharmaceutical Indust MBA APPE Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Lab Seminar Lecture Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J. Does the proposed course repla	e an equivalent course?
□ No	
\square Yes – If yes, enter equivalent	ourse: Click here to enter text.
• • • • • • • • • • • • • • • • • • • •	Course Prefix, Number – Course Title
K. Term(s) Offered: Click here to e	ter text.
L. Max Section Enrollment:	
Lecture: Click here to enter text	
Lab: Click here to enter text.	
To be completed by Academic Affairs	Office: Standards & Measures Coding and General Education Code
☐ Basic Skill (BS), ☐ General Educat	n, 🗆 Occupational Education, Gen Ed. Codes:
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR USE ONLY	
Date Rec'd: Date Comp	ted:
Entered TSCACRSE TSCADETI T	ARRES

PHAR 663 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. II.COURSE IDENTIFICATION: PHAR 663 Health Systems Pharm MBA APPE Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Lab Seminar Lecture Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J. Does the proposed course repla	e an equivalent course?
□ No	
\square Yes – If yes, enter equivalent	ourse: Click here to enter text.
• • • • • • • • • • • • • • • • • • • •	Course Prefix, Number – Course Title
K. Term(s) Offered: Click here to e	ter text.
L. Max Section Enrollment:	
Lecture: Click here to enter text	
Lab: Click here to enter text.	
To be completed by Academic Affairs	Office: Standards & Measures Coding and General Education Code
☐ Basic Skill (BS), ☐ General Educat	n, 🗆 Occupational Education, Gen Ed. Codes:
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR USE ONLY	
Date Rec'd: Date Comp	ted:
Entered TSCACRSE TSCADETI T	ARRES

Effective Fall 2016 PHAR 666 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN: ☐ CREATE, ☐ MODIFY, OR ☒ DELETE Desired Term Effective Date (6-digit code): 202101 NOTE: The first four digits indicate year, the next two digits indicate month in which term begins. **II.COURSE IDENTIFICATION: PHAR 666 International Pharmacy APPE** Course Prefix, Course Number - Course Title If deleting a course STOP HERE. For modification, complete all fields that will be changed. If creating a course, complete all relevant fields. **CURRENT PROPOSED** Prefix Number Contact Lecture Lab Seminar Lecture Prefix Number Contact Lab Seminar Hours Hours Title: Click here to enter text. Title: Click here to enter text. **Credit Hours Prerequisites** Co-**Credit Hours Prerequisites** Corequisites requisites Course/Catalog Description (125 words) Course/Catalog Description (125 words) Click here to enter text. Click here to enter text. Course Outcomes and Assessment Plan Course Outcomes and Assessment Plan Click here to enter text. Click here to enter text. Course Outline including Time Allocation Course Outline including Time Allocation Click here to enter text. Click here to enter text. A. If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]: ☐ Practicum ☐ Independent Study B. College Code: Choose an item. C. Department Code: Choose an item. D. Credit Hours: ☐ Variable ☐ Fixed E. Minimum Credit Hours: Click here to enter text. F. Maximum Credit Hours: Click here to enter text. G. Hours may be repeated for additional credit: ☐ No ☐ Yes – If yes, max times repeated: Click here to enter text. OR max credits awarded: Click here to enter text. H. Levels: ☐ Undergraduate ☐ Graduate ☐ Professional

Grade Method:

☐ Credit/No Credit

J.	Does the proposed course replace an equivalent cours	se?
	□ No	
	☐ Yes – If yes, enter equivalent course: Click here to e	nter text.
	Course Prefi	x, Number – Course Title
K.	Term(s) Offered: Click here to enter text.	
L.	Max Section Enrollment:	
	Lecture: Click here to enter text.	
	Lab: Click here to enter text.	
<i>T</i>	o be completed by Academic Affairs Office: <code>Standards</code> & Me \Box Basic Skill (BS), \Box General Education, \Box Occupational Edu	_
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
0	FFICE OF THE REGISTRAR USE ONLY	
D	ate Rec'd: Date Completed:	_
E	ntered: \square SCACRSE, \square SCADETL, \square SCARRES, \square SCAPREQ	

PHAR 670 Course Information Form (formerly Form E and Form F) I. ACTION TO BE TAKEN:

Desired Term Effective Date (6-digit code): 202101

 \square CREATE, \square MODIFY, OR \boxtimes DELETE

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: PHAR 670 Research APPE

Course Prefix, Course Number – Course Title

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete <u>all</u> relevant fields.

CURRENT						PROPOSED					
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar
Title: (Click here	to enter t	ext.			Title: (Click here	to enter t	ext.		
Credit Hours		Prerequisites		Co- requisites		Credit Hours		Prerequisites		Co- requisites	
Course/Catalog Description (125 words)				Course	e/Catalog	Description	on <i>(125 w</i>	ords)			
Click here to enter text.						Click here to enter text.					
Course Outcomes and Assessment Plan					Course Outcomes and Assessment Plan						
Click here to enter text.						Click here to enter text.					
Course Outline including Time Allocation					Course Outline including Time Allocation						
Click here to enter text.						Click here to enter text.					

CHER HETE to CHIEF text.		Chek here to chief text.			
Course Outline including Time Allocation		Course Outline including Time Allocation			
Click here to enter text.		Click here to enter text.			
If not LEC/LAB/SEM, Check box as appropriate [See Definitions in Appendix E]:					
☐ Practicum					
☐ Independent Study					
College Code: Choose an item.					
Department Code: Choose an item.					
D. Credit Hours:					
☐ Variable					
☐ Fixed					
Minimum Credit Hours: Click here to enter text.					
Maximum Credit Hours: Click here to enter text.					
Hours may be repeated for additional credit:					
□ No					
\square Yes – If yes, max times repeated: Click here t	0	enter text. OR max credits awarded: Click here to en	ter text.		
H. Levels:					
\square Undergraduate					
☐ Graduate					
☐ Professional					
. Grade Method:					
☐ Standard Letter Grading					
☐ Credit/No Credit					

J.	Does the proposed course replace an equivalent course?							
	☐ Yes — If yes, enter equivalent course: Click here to enter text.							
	Course Pref.	ix, Number – Course Title						
K.	Term(s) Offered: Click here to enter text.							
L.	Max Section Enrollment:							
	Lecture: Click here to enter text.							
	Lab: Click here to enter text.							
To	o be completed by Academic Affairs Office: <code>Standards</code> & Me $ ceil$ Basic Skill (BS), $\ \square$ General Education, $\ \square$ Occupational Edu	_						
UC	CC Chair Signature & Date:	Academic Affairs Approval Signature & Date:						
0	FFICE OF THE REGISTRAR USE ONLY							
D	ate Rec'd: Date Completed:	_						
E	Entered: ☐ SCACRSE, ☐ SCADETL, ☐ SCARRES, ☐ SCAPREQ							



Master of Business Administration

STATISTICS/NUMERICAL AND DATA ANALYSIS (IvySoftware password: 322711)

Date Complet	ted	College/University	Course number & name		Credi	it Hours	Grade
OR IvySoftwar	e cou	ırse	completed on w	ith passing	score of		
ACCOUNTING	3/FIN	ANCE (IvySoftware pas	ssword: 782711)				
Date Complet	ted	College/University	Course number & name		Credi	it Hours	Grade
OR IvySoftwar	e cou	ırse	completed on w	ith passing s	score of		
MARKETING	(IvyS	oftware password: 532	711)				
Date Complet	ted	College/University	Course number & name		Credi	it Hours	Grade
OR IvySoftwar	е сог	ırse	completed on w	ith passing s	score of		
TWELVE CO	ORE	COURSES REQU	IRED (36 credits)				
COURSE#	TIT	LE	·	CRI	EDITS	TERM	GRADE
ACCT 614	Acc	counting for Managers			3		
MISI 615	Info	ormation Systems Strate	egy		3		
FINC 616	Cor	Corporate Finance (ACCT 614)			3		
BLAW 626	Ma	Managers and the Legal Environment					
MGMT 636	Lea	dership & Org. Change		3			
STQM 646	Res	search Methodologies (3			

PharmD/MBA Concentration - 12 Credits

Global Business Management

Business Strategy & Innovation

The MBA Thesis (STQM 646)

Managerial Economics

Lean Enterprise Systems

Strategic Marketing Decisions (ECON 726)

INTB 656

MKTG 716

ECON 726

MGMT 736

MGMT 746

MMBA 796

COURSE#	TITLE	CREDITS	TERM	GRADE	
PHAR 630	Pharmacy Practice Management 1	3			
PHAR 730	Pharmacy Practice Management 2	3			
PHAR 861	Corporate Pharmacy	Salast and 6 gradit			
PHAR 862	Pharmaceutical Industry	Select one 6-credit PharmD/MBA Clerkship			
PHAR 863	Health Systems Pharmacy	Filai i i Divida Cierksi i p			

CORE CREDITS	36
CONCENTRATION CREDITS	12
TOTAL MBA DEGREE CREDITS REQUIRED	48

No grade below a C will be counted toward a College of Business graduate degree or certificate. No more than two C grades will apply to degree. An overall GPA of 3.0 or better is required to earn the MBA degree. An overall GPA of 3.0 or better must be maintained to avoid dismissal from the MBA program. Degree must be completed within five years from first semester of enrollment. Students must complete an application to graduate before their degree will appear on transcripts and a diploma is issued.

Graduate Honors Requirements: Distinction requires 3.75 to 3.89 overall GPA Highest Distinction requires 3.90 to 4.0 overall GPA

Ferris State University is one of 15 universities comprising Michigan's public higher education system, and accredited by the Higher Learning Commission (HLC).

3

3

3

3

3

	P-1 Year Fall			P-1 Year Spring			P-1 Year Summer	
PHAR 515	Pharmacy and Health Care Systems 1	3	PHAR 516	Pharmacy and Health Care Systems 2	3	PHAR 593	Medication Distribution-Community IPPE 1 (3	2
PHAR 519	Foundations of Pharmacotherapy 1	3	PHAR 531	Over-the-Counter Pharmacotherapy	3	BLAW 626	Managers and the Legal Environment	3
PHAR 523	Dosage Forms and Biopharmaceutics	4	PHAR 520	Foundations of Pharmacotherapy 2	3	STQM 646	Research Methodologies	3
PHAR 587	Pharmacy Skills and Patient Care Lab 1	3	PHAR 524	Dosage Forms and Pharmacokinetics	4	MGMT 736	Lean Enterprise Systems	3
			PHAR 588	Pharmacy Skills and Patient Care Lab 2	2			
	Total Credit Hours	13.0		Total Credit Hours	15.0		Total Credit Hours	11.0

	P-2 Year Fall			P-2 Year Spring			P-2 Year Summer	
PHAR 619	Integrated Pharmacotherapy 1	4	PHAR 622	Integrated Pharmacotherapy 4	4	PHAR 693	Medication Distribution-Health System IPPE 1	2
PHAR 620	Integrated Pharmacotherapy 2	4	PHAR 623	Integrated Pharmacotherapy 5	4	FINC 616	Corporate Finance (ACCT 614)	3
PHAR 621	Integrated Pharmacotherapy 3	4	PHAR 624	Integrated Pharmacotherapy 6	4	ECON 726	Managerial Economics	3
PHAR 630	Pharm Pract Mgmt 1	3	PHAR 640	Drug Literature, Informatics, and Biostatistics	3	MGMT 746	Business Strategy & Innovation	3
PHAR 691	Direct Patient Care IPPE 1(Fall or Spring)	0.5	PHAR 691	Direct Patient Care IPPE 1(Fall or Spring)	0.5			
ACCT 614	Accounting for Managers	3		Elective (Fall or Spr) X 2	4			
	Total Credit Hours	18.5		Total Credit Hours	19.5		Total Credit Hours	11.0

	P-3 Year Fall			P-3 Year Spring			P-3 Year Summer	
PHAR 719	Integrated Pharmacotherapy 7	4	PHAR 722	Integrated Pharmacotherapy 10	4	MISI 615	Information Systems Strategy	3
PHAR 720	Integrated Pharmacotherapy 8	4	PHAR 723	Integrated Pharmacotherapy 11	4	MGMT 636	Leadership & Org. Change	3
PHAR 721	Integrated Pharmacotherapy 9	4	PHAR 724	Integrated Pharmacotherapy Capstone	5	MKTG 716	Strategic Marketing Decisions (ECON 726)	3
PHAR 730	Pharm Pract Mgmt 2	3	PHAR 735	Pharmacy Law	2			
PHAR 791	Direct Patient Care IPPE 2(Fall or Spring)	0.5	PHAR 791	Direct Patient Care IPPE 2(Fall or Spring)	0.5			
INTB 656	Global Business Management	3		Elective (Fall or Spr)	2			
	Total Credit Hours	18.5		Total Credit Hours	17.5		Total Credit Hours	9.0

	P-4 Year	
PHAR 800	Inpatient General Med	6
PHAR 802	Amb Care	6
PHAR 810	Health System	6
PHAR 811	Community	6
PHAR 8XX	Elective	6
PHAR 8XX	Elective	6
PHAR	Doctoral Project	1
MMBA 796	The MBA Thesis (STQM 646)	3
	Total Credit Hours	40
	Total	173.0
PHAR 861	Corporate Pharmacy MBA APPE	6
PHAR 862	Pharmaceutical Industry MBA APPE	6
PHAR 863	Health System Pharmacy MBA APPE	6

PharmD without MBA		PharmD with MBA	
P1 Fall	13.0	P1 Fall	13.0
P1 Spring	15.0	P1 Spring	15.0
P1 Summer	2.0	P1 Summer	11.0
P2 Fall	15.5	P2 Fall	18.5
P2 Spring	19.5	P2 Spring	19.5
P2 Summer	2.0	P2 Summer	11.0
P3 Fall	15.5	P3 Fall	18.5
P3 Spring	17.5	P3 Spring	17.5
P3 Summer	0.0	P3 Summer	9.0
P4 Year _	37.0	P4 Year _	40.0
_	137.0	_	173.0

Faculty Concerns from Support with Concern and Not Support

The following charges of the Curricular Implementation Committee (CIC) are provided to describe the College's plan to develop policies and procedure related to course coordination, student remediation and day-to-day logistics necessary for implementation of the proposed curriculum. This plan has been underway for some time and addresses many of the concerns expressed below. Although some implementation-related matters fall outside of the scope of the Curricular Rebuild Committee that led the development of this curriculum proposal, such matters were identified throughout the development process; thus, the CIC has already been identified and the following charges developed to expedite their ability to begin work pending the approval of this curriculum proposal.

Curricular Implementation Committee Charges

With completion of the "2018 Curriculum" (2018C) proposal, the Curricular Implementation Committee (CIC) was formed to transition the 2018C from paper to classroom upon approval. Expertise of the College's existing standing committees and task forces is to be incorporated into the process to ensure efficiency in the overall implementation of the 2018C. Discussion and consultation within the departments will also be essential. The CIC will develop a project timeline for these charges that considers the rolling implementation of 2018C and phase out of the existing curriculum (2009C). Throughout the process, the CIC will provide quarterly updates to the executive council and college community. Further, the CIC will present items of significance for full-faculty vote when deemed appropriate by the CIC members. Using the 2018C as developed by the Curricular Rebuild Committee, and the ACPE Standards 2016, the following charges are to be completed by the CIC prior to fall semester 2018:

- 1. Develop and communicate a detailed plan for scheduling all courses required and elective with professional year 1 (P-1) and professional year 2 (P-2) located on the Big Rapids campus and professional year 3 (P-3) on the Grand Rapids campus.
- 2. Review guidance documents for the Integrated Pharmacotherapy course (recommended by the rebuild team) and establish further implementation procedures (in consultation with relevant stakeholders) to assist in providing students with a seamless experience. As part of this, make recommendations on the best approach to deliver the course to students with consideration of existing resources, travel, workload and accreditation ratios.
- 3. Work with the Progression Committee and the Office of Student Services to review and recommend policies for student progression and monitoring of student workload through the curriculum.
- 4. Review and make recommendations for consistent remediation options for all courses didactic and experiential that recognize:
 - a. Goals of providing high quality pharmacy candidates to the workforce.
 - b. The need to respect the thresholds established by ACPE for student withdrawal, dismissal and on-time graduation.
 - c. Financial aid burdens imposed on students when they fall below ongoing, full-time status.
 - d. Flexibility for faculty in establishing individualized protocols for students.
 - e. Concerns that may emerge in team taught courses.
- 5. Collaborate with the following to communicate and implement sustainable plans for scheduling, delivering and monitoring relevant elements outlined in 2018C.
 - a. Assessment and Accreditation Committee
 - b. Co-Curriculum Coordinator
 - c. Curriculum Committee
 - d. IPE Coordinator
 - e. Office of Experiential Education
 - f. Office of Student Services
 - g. Workload Task Force

Concerns Expressed by Faculty:

Faculty A (Not Support)

The faculty member did not submit a written response with concerns, but expressed concerns related to the following at the department and full faculty meetings, which we are attempting to summarize:

A. The proposal does not include a complete protocol for student remediation (how students will be handled if they fail a course).

RESPONSE: Additional information was provided to college faculty in writing and was verbally discussed during multiple College-wide meetings about recommended remediation protocols for the Integrated Pharmacotherapy course. This recommendation was developed by the Curricular Rebuild Team related to the Integrated Pharmacotherapy course because it is a multicourse sequence spanning two academic years. This involves opportunities for students to remediate in "real time" during the semester along with procedures for remediating comprehensive final exams. See also the charges of the Curriculum Implementation Committee above.

B. The proposal does not provide details on how faculty will coordinate with each other for the more complex Integrated Pharmacotherapy sequence. Course coordinators may have too much power.

RESPONSE: The College of Pharmacy currently utilizes many single and sequenced courses with multiple faculty and has a great deal of experience with this. Course coordination and faculty assignments are handled through college and departmental policies. Course coordination policies are not governed by the charge of the College of Pharmacy Curriculum Committee. See also the charges of the Curriculum Implementation Committee above.

C. The size of the Integrated Pharmacotherapy course may scare students and be intimidating to applicants.

RESPONSE: The human physiologic module-based approach to integrated delivery has been a feature of curriculum in colleges of pharmacy for well over a decade. The rebuild team reviewed many of the colleges of pharmacy in the region. The majority of program are utilizing either module-based program or hybrids that include differing levels of integration of medicinal chemistry, pharmacology and therapeutics content. The course sequence has been designed with distinct modules to aid students in transitioning from topic-to-topic.

Faculty B (Support with Concerns)

During today's meeting, I voted to support with concerns. And my only concerns are related to the remediation strategies and course coordinators' autonomy roles (as the courses involve intensive multiple faculties from both Departments of Pharmaceutical Science and Pharmacy Practice) in the Integrated Pharmacotherapy courses 1-12, which I am not quite sure to have seen those descriptions in the proposal.

But after the meeting, you have shown me the remediation plans in another document and also, explained the coordinators' roles are out of the scope of the curriculum. Your explanations are convincible to me that the students will have remediation opportunities for such courses. I am satisfied with your clarifications and sincerely appreciate that the curriculum committee has devoted both time and efforts on the new curriculum.

RESPONSE: See previous response on course coordination and also the charges of the Curriculum Implementation Committee above.

Faculty C (Support with Concerns)

Thank you very much for your explanation. I do support the new curriculum and I have participated the meetings on the discussion and reviews that have gone into improving it. However, I believe if we could envision some of the potential problems that could occur down the road with the curriculum and fix it, it would only make it better. These include clarification of the remediation process and the issue with coordination of the integrated courses that were raised at the meeting today. I believe we cannot overlook these legitimate concerns. They need to be adequately addressed. With that said, I fully support the approval of the curriculum without any further reservations. Once again, I do appreciate your time and explanation.

RESPONSE: See previous response on remediation and also the charges of the Curriculum Implementation Committee above.

Faculty D (Support with Concerns)

- A. A senior faculty member brought up some good points in a department and college meeting how our college has not looked closely at how remediation would occur in this new curriculum. This is problematic because if not resolved well it would dilute down the curriculum and we would end up passing students who would not normally pass just to keep them progressing in the high credit mega integrated course sequence. While I understand we voted on curriculum only this is a big piece of the curriculum.
 - RESPONSE: Remediation procedures related to the Integrated Pharmacotherapy course were presented to the faculty in writing and were verbally discussed during College-wide meetings. The College currently manages student progression well through pre-established criteria with oversight by student services personnel and a Progression Committee. See also the charges of the Curriculum Implementation Committee above.
- B. I also have big reservations about how we (pharmaceutical sciences department) don't have equal representation on a committee that will be making curriculum policy (4 out of 11 faculty). The dean is injecting himself in curriculum because he is appointing the faculty he wants. We have one tenured faculty who serves as administrator for the dean along with 3 non- tenured junior faculty who have never gone through a curricular revision on this committee that has the power to implement curricular policy. How is this not directly influenced by the dean (administrator)? These faculty were unilaterally appointed by the dean and other more experienced faculty were not allowed to volunteer for this committee. It is not in the best interest of the curriculum to have inexperienced faculty on this committee or ones who feel they have to watch what they say because of fear they are not tenured. There should be more senior faculty on this committee so it does not turn into pushing administration agenda or someone else's.

RESPONSE: This response is in reference to the recent appoint of a Curricular Implementation Committee. The comment is incorrect about an under-balance related to the pharmaceutical sciences. There are 9 faculty appointed to this committee with 2 administrative staff. Five are from the Pharmaceutical Sciences and 4 are from Pharmacy Practice. Although the appointments were officially made by the Dean, the identification of faculty to serve on the Curricular Implementation Committee was developed in consultation with the faculty co-chairs of the Curricular Rebuild Committee, the department chairs, and the College Executive Council; it was not a unilateral decision devoid of input from faculty.

C. I feel the science part of the curriculum is being watered down for the sake of jumping on the band wagon for getting a more "integrated" curriculum. We did not spend a lot of time looking at other college of pharmacy's curriculum's and why we are doing this. We didn't even get the assessment data back form the infectious disease courses integrated sequence we just did a few years ago to tweak before we scrap that and say we need a whole new curriculum.

RESPONSE: The Curricular Rebuild Team met 32 times since June, 2015 in development of this curriculum proposal. Two additional subcommittees were enlisted, and included additional faculty outside of the Curricular Rebuild Team, to address the integrated coursework in the first three professional years of the program. Of the 32 meetings of the Rebuild Team, at least 12 had significant time dedicated to the discussion

of the integrated curriculum, representing approximately 1/3 of the team's discussion. In addition, work teams made up of some individuals from the Curricular Rebuild Team attended 2 separate American Association of Colleges of Pharmacy Institutes dedicated to components relevant to this curriculum development. In the development of this proposal, reference material was made available to both the team and the College faculty at-large for an array of curriculum (traditional and integrated) including: University of Georgia, Husson University, University of Michigan, University of Illinois-Chicago, Wayne State University, University of Minnesota, Chicago State University, University of Florida, Western University, University of North Carolina, and Ohio Northern. Curriculum format was also reviewed at Roosevelt University, Rosalind Franklin, Southern Illinois University, Butler University, Manchester University, Purdue University, Drake University, University of Iowa and The Ohio State University.

Regarding assessment data from the current integrated infectious disease sequence, such data were considered by the subcommittee mentioned above and served as evidence in support of expansion of an integrated approach to curriculum delivery. When originally designed, the current infectious disease course sequence was intended to integrate microbiology, medicinal chemistry, pharmacology and therapeutics, however early execution of that integration fell short when disciplines did not work together in a cohesive manner. This lack of true integration led to the course sequence experiencing a high rate of student failure. In response to those data, a new course coordinator was assigned to the sequence and changes were implemented to ensure faculty from both departments were working together effectively to design and deliver course material in an integrated manner. The rate of student success in the infectious disease sequence improved markedly and therefore serves as a model for integrated curriculum delivery used in this proposal.

D. I feel Pharmacy Practice will be dictating the majority of the integration and again science will be watered down from what I have seen of looking closely at this new curriculum. (*The following was an additional comment that was copied here to prevent the need to duplicate the response.*) These students are graduating with a Pharm.D. Doctorate degree and we have a responsibility to the profession, the University and the public to make sure these students know their science foundation as well as the practice but this new curriculum is not fully written out to show me how the science is not being watered down and lost for parts of it.

RESPONSE: The curriculum proposed here was built addressing the faculty approved ability-based outcomes as referenced in the mapping document. The Form EF's outline the allocation of all content across the curriculum. In addition, all course outcomes were developed by faculty and are cross-referenced and aligned with the accreditation educational standards issued for 2016. These standards provide a guidepost for allocation of areas of expertise across a Doctor of Pharmacy Curriculum. Of the 42 faculty in the College of Pharmacy providing input on (and voting on) this proposal, more than half are patient care practitioners across the State of Michigan with a comprehensive understanding of the responsibilities of the profession for a practicing pharmacist.

E. Our basic science department is having major arguments about what role a course coordinator should be allowed to do. We have faculty who are treating students differently and passing them when according to the syllabus from the course they fail. We have integrated courses where all the faculty agree on final grades at the end of the semester and then the course coordinator feels they have power to post any grade they feel like. This is not collegial and erodes confidence faculty have in one another and this is a BIG PROBLEM. Students not being treated equally is a huge deal and faculty who feel they have the power to do anything they want with grades with no regard to the fellow faculty they teach with is also a HUGE problem. Since this new curriculum is highly integrated how will this be addressed and how will the science department not lose tremendous work load? These are other big problems.

RESPONSE: The College of Pharmacy handles many courses within the current curriculum deploying multiple faculty, which are coordinated without problems. Issues that an individual faculty has with respect to course coordination concerns are handled by departmental and college policies. The Curricular Implementation Committee has been charged with recommending policies related to coordination of the Integrated

Pharmacotherapy sequence. A detailed outline of hour content by discipline area was provided to the full faculty for the Integrated Pharmacotherapy sequence.

F. I do not feel that assessment (in these highly integrated courses) is being aligned with faculty governance because they are suggesting a committee will pick and choose what would be asked on exams and faculty who teach specific material should be able to assess students how they feel it is necessary. Faculty academic rights may be affected with this.

RESPONSE: As stated elsewhere in this response, the College of Pharmacy currently utilizes many team taught courses. In team taught courses, assessments are built according to the syllabus level policies established by course faculty and coordinators. The current therapeutics sequence integrates approximately half of the faculty of the college of pharmacy in team taught modules with great success. As the Integrated Pharmacotherapy course is implemented, course faculty will build on this experience and provide input to assessment development, as is currently done. See also, charges of the Curricular Implementation Committee.

Faculty E (Abstain)

Did not receive a clear answer on the PharmD/MBA program at the pharmacy practice meeting. The PharmD/MBA proposed articulation information in Wellman's email of 2-14-17 is not found in the curriculum proposal, is it part of the proposal?

RESPONSE: The proposed PharmD/MBA articulation is now attached to the proposal (page 426). The current and proposed Doctor of Pharmacy degree are not directly impacted by the articulation. The College of Business awards the MBA based on the enclosed check sheet and supports the changes in the Doctor of Pharmacy program as outlined in their Form B.

Form A

Effective Fall 2016

CURRICULUM PROPOSAL SUMMARY AND ROUTING FORM

Proposal Title: ISI Cybersecurity Certificates

Initiating Individual: Gerald Emerick

Initiating Department or Unit: AFIS / COB

Contact Person's Name: Gerald Emerick

Email: geraldemerick@ferris.edu

17-105

Phone: 231-591-3148

Contact Person's Name: Gerald	l Emerick Email: gerald	eme	rick@fe	rris.e	du	P	hone	: 231-	591-314
	pe completed and included BEFORE University Curriculum Committee.			(chec	kboxes ind	licate t			
PROPOSAL GROUP: See Table B-description.	PCAF Link	A	B- UND B-GRA	<u>C</u>	D	<u>EF</u>	FIN		
I-A: New Degree, major, concentration offering	on, minor, or redirection of a current					壓			
I-B: Deletion of a degree, major, cond	centration, or minor								
II-A: New Course, modification of a co									
Check here if deleting a cou	rse								
II-B: Minor Curriculum Clean-up									
III: Certificate (2 College Credit 2 Non	-credit ⊠ New Certificate)			\boxtimes			\boxtimes		R
IV: Other site location (2 College Cred									
IV: Off Campus: Other site location (2									
IV: Non-degree Offering : Other site lo		t)							
	PLEASE PRINT and SIGN YOUR		DATE		VOTE/	ACTIO	N * 1	Numbe	r Count
Program Representative **	Gerald Emerick	2/7	/2017		Supp Supp Not Abst	port w Suppo		ncerns	
Department/School/Faculty Representative Vote **					Supp Supp Not	17 Support Support with Concerns Not Support Abstain			
Department/School Administrator	Z. H. Bajor	3	1/1	7	Not	oport oport with Concerns t Support stain			
College Curriculum Committee/Faculty	Any Dorcy	3	/15/1	7		port w Suppo	ith Cor	ncerns	
UCC Representative	Billie Anderson	0	3 22	417	Sup	port	rt		
Dean	DAVID NICOL Selled	ن	3/22/1	7	Not	port w Suppo			
University Curriculum Committee **	Clukemi Fadayoni	3	1291	17		port w Suppo	ith Cor	ncerns	
Senate **					Sup Sup Not Abs	port port w Suppo		ncerns	
Academic Affairs					Sup Hold	port	ort		

^{*} Support with Concerns or Not Support <u>must</u> include identification of specific concern with appropriate rationale.

^{**} Number Count <u>must</u> be given for all members present and/or voting.

To be semulated but Academia Affaire

1.		sident (Date Ap posal Summary	•	Board o erally less than one p	nic Officers of MI (Date Approved) ary of rationale and highlights)							
	edu Cer cyb tale Info The	tration. The notificate will offer ersecurity job gent that has the ormation Securities certificates ter of excellent	ew Cybersecurity Co er a specialization in growth is 18% faste ability to protect the ity and intelligence will appeal to curre ce designation by the	ertificate will provide n ethical hacking and r than average for al he organization's infi faculty are uniquely nt students, former	e students with a specializati penetration testing. Accor l occupations through 2024. rastructure from cyber attac qualified to offer these certi students, and the surroundir Agency as well as a number	on in cybersecurity w ding the Bureau of L Both public and priv k and prevent hacker ficates in the areas o ng community while l	te growing need for cybersecurity while the Cybersecurity - Ethical Hacking abor Statistics the job outlook for wate sectors have an ongoing need for res from stealing critical data. The f Cybersecurity and Ethical Hacking. Leveraging the ISI program's academic unity certification partnerships that the ISI					
2.	Summary of Curricular Action (Check all that apply to this proposal)											
		Degree	☐ Major	☐ Minor	☐ Concentration	☑ Certificate	☐ Course					
		New	☐ Modification	☐ Deletion								
	Nam	e of Degree, M	ajor, etc.:									
3.	Sun	nmary of All Co	urse Action Require	ed:								
	A. Newly Created Courses to be Added to		ded to the Catalog									
		Prefix		Number	Title							
	B. Courses to be Deleted from FSU Catalog		Catalog									
		Prefix		Number	Title							
	C.	Existing Cours	ses to be Modified									
		Prefix		Number	Title							
	D.	Addition of ex	kisting FSU courses	to program								
		Prefix ISIN		Number 200	Title Secure Digital Ti	echnologies						
		ISIN		308	•	_	or Instructor Approval)					
		HSCJ		310	· · · · · · · · · · · · · · · · · · ·	s (ISIN 121 or ISIN 30						
		ISIN		409		sics & Analysis (ISIN 3	•					
		ISIN ISIN		306 312			inding or Instructor Approval) (ISIN 308 and ISIN 306 or ISIN 305)					
		ISIN		335			308 and ISIN 306 or ISIN 305 or ISYS 288)					
		ISIN		430		Mobile Security (ISII	•					
	E.	Removal of ex	kisting FSU courses	from program								
		Prefix		Number	Title							
4.	Sum	nmary of All Co	nsultations									
	Forr	n Sent (B/B-UG	iPC or C)	Date Sent	Responding Dep	partment	Date Received & By Whom					
	Forr	n C		3/14/2017								
5.	Will	External Accre 13 Yes	ditation be sought?	(For new programs X No	or certificates only)							

6.	Is a PCAF required? ☐ Yes ⊠ No	Is the PCAF approved? ② Yes □ No (If yes,	supply link on Academic Affairs website where PCAF is posted.
7.	Program Checksheets affected by t	nis proposal (Check all that apply to this proposal)	REQUIRED
	☐ Add Course Delete Course	e Modify Course Change Prerequisite	Move from required to elective
	_ Move from elective to required	. Change Outcomes and Assessment Plan	Change Credit hours
8.	List all Checksheets affected by this	proposal:	
	College	Department	Program
	COB	AFIS	Cybersecurity Certificate Checksheet (new)
	COB	AFIS	Cybersecurity - Ethical Hacking Certificate Checksheet
	(new)		

•

FLITE SERVICES CONSULTATION FORM

To be completed by the liaison librarian and approved by the Dean of FLITE. FLITE must return the original form to the Academic Senate office to be inserted in the proposal and a copy to the initiator. FLITE must respond within 10 business days of receipt of this form to insure that the form is included in the final proposal.

Failure to respond by 10 business days of receipt of this form is interpreted as support for the proposal.

RE: Proposal Title: ISI Cybersecurity Certificate

Projected number of students per year affected by proposed change:

initiator(s): Gerald Emerick
Proposal Contact: Gerald Emerick Data Sent: 3/14/2017
Department: AFIS / COB Campus Address: IRC 212L (Please type)
Date Received: 03, 17.2017 Date Received: 32017 Date Returned: 32017
Based upon our review on (date), FLITE concludes that:
☑ Library resources to support the proposed curriculum change are currently available.
☐ Additional Library resources are needed but can be obtained from current funds.
C Support, but significant additional Library funds/resources are required in the amount of \$
☐ Does not support the proposal for reasons listed below.
Comment regarding the Impact this proposal will have on fibrary resources, collection development, or other FLITE programs. Use additional pages if necessary. No additional Library resources are required.

Certificate Checksheet: Cybersecurity

Ferris State University – College of Business ACCOUNTANCY, FINANCE & INFORMATION SYSTEMS (AFIS) DEPARTMENT

Cybersecurity Certificate - 12 Credits

SI	UDENT P	NAME:STUD	DENT ID#:				
PFX	CRSE#	COURSE TITLE (prerequisites shown in brackets ()	S.H.	GRADE	GR. PTS.		
ISIN	200	Secure Digital Technologies	3				
ISIN	308	Principles of Info Security (ISIN 200 or Instructor Approval)	3				
HSCJ	310	Digital Forensics (ISIN 121 or ISIN 308)	3				
ISIN	409	Network Forensics & Analysis (ISIN 308)	3				
	granted if	than 50% of the credits in this certificate may be transferred from another more than 50% of the certificate credits are specifically required in the state of the certificate credits are specifically required in the state of the certificate credits.	cudent's major.				
		irements – Admission requirements for this certificate are identical to the	: admission require	ements for th	ie		
intorm	ation Sect	urity and Intelligence program at Ferris State University.					
	For	nore information, please call 231-591-2434 to make an appointment wit	th the AEIS denart	mant hand			
	1011	note information, please can 231-331-2434 to make an appointment wit	in the Airis depart	ment neau.			
		NOTICE REGARDING WITHDRAWAL, RE-ADMISSION AND INTERR	UPTION OF STU	DIES			
	St	udents who return to the university after an interrupted enrollment (not inc	_	•			
		must normally meet the requirements of the certificate which are in effe		eir			
L		return, not the requirements which were in effect when they were or	iginally admitted.				
		Note: A minimum 2.00 GPA is required in all certificate courses for comp	letion of this certi	ficate.			
STUDE	NT SIGNA	TURE:	DATE:				
ADVIS	OR SIGNA	TURE:	DATE:				
AFIS D	EPT. CHAI	R/HEAD SIGNATURE:	DATE:				
<u>T</u>	receive t	this certificate, you must complete a certificate clearance in the College	of Business Dean'	s Office (BUS	200).		

Certificate Outcomes Outcome 1 Theory and Practice Work as a member of an information security and/or intelligence team and effectively integrate theories and practice in an ISI environment. 2. Outcome 2 Security Domain - Demonstrate knowledge of concepts and methodologies of the principles of information security objectives and the information security lifecycle. 3. Outcome 3 Networks and Devices Set up computer networks and peripheral devices, install and maintain software; demonstrate how to handle, transport, utilize and safeguard digital devices and information. 4. Outcome 4 Digital devices Theorize ways digital devices could be used for security and criminal activity and collect and process digital information in support of an investigation or hypothesis. 5. Outcome 5 Digital Forensics Demonstrate knowledge of concepts and methodologies of incidence response, cyber forensics (acquisition, preservation, analysis, and presentation of evidence) and the information security lifecycle including cyber laws, cyber crimes, incidence response, pre-incident preparation, detection, notification, initial response, strategic decisions, response, recovery, and reporting.

Certificate Checksheet: Cybersecurity - Ethical Hacking

Ferris State University – College of Business ACCOUNTANCY, FINANCE & INFORMATION SYSTEMS (AFIS) DEPARTMENT

Cybersecurity - Ethical Hacking Certificate - 12 Credits

STUDENT NAME: ST			JDENT ID#:				
PFX	CRSE#	COURSE TITLE (prerequisites shown in brackets ()	S.H.	GRADE	GR. PTS.		
ISIN	306	Security Informatics (Sophomore Standing or Instructor Approval)	3				
ISIN	308	Principles of Info Security (ISIN 200 or Instructor Approval)	3				
ISIN	312	Applications of Information Security (ISIN 308 and ISIN 306 or ISIN 305)	3				
Ch	oose on	e of the following:					
PFX	CRSE	COURSE TITLE (prerequisites shown in brackets ()	S.H.	GRADE	GR.		
	#				PTS.		
ISIN	200	Secure Digital Technologies	3				
HSCJ	310	Digital Forensics (ISIN 121 or ISIN 308)	3				
ISIN	335	Pen Testing and Cloud Security (ISIN 308 and ISIN 306 or ISIN 305 or ISYS 288)	3				
ISIN	409	Network Forensics & Analysis (ISIN 308)	3				
ISIN	430	Pen Testing and Mobile Security (ISIN 312 and ISIN 325)	3				
	<u>For </u>	more information, please call 231-591-2434 to make an appointment with the	AFIS depart	ment head.			
		NOTICE REGARDING WITHDRAWAL, RE-ADMISSION AND INTERRUPTI udents who return to the university after an interrupted enrollment (not including must normally meet the requirements of the certificate which are in effect at a return, not the requirements which were in effect when they were original	g summer se he time of th	mester)	773.43B		
		Note: A minimum 2.00 GPA is required in all certificate courses for completion	of this certi	ficate.			
STUDE	NT SIGNA	TURE: DA	ATE:				
ADVISO	OR SIGNA	TURE: DA	NTE:				
AFIS DI	ЕРТ. СНАІ	R/HEAD SIGNATURE: DA	TE:				

Cer	tificate Outcomes
1.	Outcome 1 Theory and Practice Work as a member of an information security and/or intelligence team and effectively integrate theories and practice in an ISI environment.
2.	Outcome 2 Security Domain - Demonstrate knowledge of concepts and methodologies of the principles of information security objectives and the information security lifecycle.
3.	Outcome 3 Security Assessment - Assess the security posture of computer networks and computer software; demonstrate how to identify security vulnerabilities, remediate vulnerabilities, and document the vulnerabilities.
4.	Outcome 4 Digital devices Theorize ways digital devices could be used for security and criminal activity and collect and process digital information in support of an investigation or hypothesis.
5.	Outcome 5 Event Analysis Recognize the potential for multiple explanations for events and information and be able to analyze and
	describe the accuracy of the information.

FINANCIAL AID FORM

Proposal Title: Click here to enter text.

FORM FIN
Effective Fall 2016

To be completed by the Director of Financial Aid (DFA). The DFA must return the original form to the Academic Senate Office to be inserted into the original proposal and a copy to the initiator (proposer). The DFA must respond within 10 business days of receipt of this form to insure that the form is included in the final proposal.

Failure to respond by 10 business days of receipt of this form is interpreted as support for this proposal.

Initiators: Gerald Emerick, ISI Faculty		
Proposal Contact: Gerald Emerick	Date Ser	nt: 2/7/2017
Department: AFIS / COB	Campus	Address: IRC 212L
Director of Financial Aid Signature: Click here to ente	r text.	Date Returned: Click here to enter text.
Please check all that apply:		
☐ The new program is remedial as it prepares students for Federal requirements; therefore students in this program at		the postsecondary level. This program is not an eligible program per ble to receive financial aid.
☐ The new program is considered a preparatory program criteria to be admitted into the program. Student is only eli		ares a student for a given program, i.e., they do not meet the academic ederal Direct Loans for one year.
☐ The new program is a certificate program. Certificate program are not eligible to receive financial aid.	orograms a	are not eligible programs per Federal requirements; therefore students in this
		ides coursework required for a professional State credential necessary for which the institution awards no academic credential. Students are eligible for
☐ The new program is a teacher certification program that Federal requirements; therefore students in this program a		d a certificate credential. Certificate programs are not eligible program per ble to receive financial aid.
		degree completion program that requires an associate degree or the a prerequisite for admission. These are aid eligible programs and
where some deficiency exists. Please note, students are e	eligible to re	Major program that allows students to take some undergraduate courses eceive Federal loans for the program, but undergraduate courses will not ents must be half time (Graduate/Professional = 5 credits, Doctoral = 3
☐ The new program is an Associate's, Bachelor's, Maste Federal requirements, these are aid eligible programs and		sional, or Doctoral Degree/Major and is conferred upon graduation. Per nay receive financial aid.
Please include the number of credit hours to earn the	degree or	credential being sought. This is required as it must be reported to the

Department of Education as well as the National Student Loan Clearinghouse, regardless if students are receiving federal aid.

Credits Required to Earn Degree: The certificate is 12 credit hours

Paula L Hadley-Kennedy

From: Jerry J Emerick

Sent: Wednesday, March 29, 2017 8:12 PM

To: Olukemi O Fadayomi

Cc: Billie S Anderson; Brian Holton; Don L Brecken; Elise M Gramza; Frances K Rosen; Greg S

Wellman; Joe J Pole; Leonard R Johnson; Mark A VanLent; Mark A Hutchinson; Michelle

L Johnson; Paula L Hadley-Kennedy; Rusty A Leonard; Timothy M Eklin

Subject: Re: Proposal 17-105

Thank you. I will plan to be there. Reviewing our outcomes is planned activity in our faculty group. I'll be sure to have us review this outcome and try to make it more clear and concise.

Best Regards,

Gerald Emerick, M.Sc., CISSP, PMP, C|EH, E|CSA, GSSP-.NET
Assistant Professor
Information Security & Intelligence
National Security Agency Center of Excellence
DC3 Center of Digital Forensic Academic Excellence
Ferris State University
http://isi.ferris.edu
616-951-4676

From: Olukemi O Fadayomi < Olukemi Fadayomi@ferris.edu >

Date: Wednesday, March 29, 2017 at 4:44 PM **To:** Jerry J Emerick < <u>JerryEmerick@ferris.edu</u>>

Cc: Billie S Anderson < BillieAnderson@ferris.edu >, Brian Holton < BrianHolton@ferris.edu >, Don L Brecken

<<u>DonBrecken@ferris.edu</u>>, Elise M Gramza <<u>EliseGramza@ferris.edu</u>>, Frances K Rosen <<u>FrancesRosen@ferris.edu</u>>,

Greg S Wellman < GregWellman@ferris.edu >, Joe J Pole < JoePole@ferris.edu >, Leonard R Johnson < LeonardJohnson@ferris.edu >, Mark A VanLent < MarkVanLent@ferris.edu >, Mark A Hutchinson

At all the control of the control of

< <u>MarkHutchinson@ferris.edu</u>>, Michelle L Johnson < <u>MichelleJohnson@ferris.edu</u>>, Paula L Hadley-Kennedy

< Paula Hadley-Kennedy@ferris.edu >, Rusty A Leonard < RustyLeonard@ferris.edu >, Timothy M Eklin

<<u>TimothyEklin@ferris.edu</u>> **Subject:** Proposal 17-105

Academic Senate for discussion and approval at the next meeting. So, we ask that you or a representative attend the Senate meeting on Tuesday, April 4, 2017 at 10 am in University Center 202A to answer questions about this proposal.

Paula L Hadley-Kennedy

From:

Olukemi O Fadayomi

Sent:

Friday, April 7, 2017 11:20 AM

To:

ismjerry

Cc:

Paula L Hadley-Kennedy

Subject:

RE: ISI Certificate - Academic Senate Meeting

Hi Jerry,

There may be other questions/suggestions from the Senate in addition to the two questions, so I suggest we wait on the paper work changes until after the April 25th meeting.

I have copied Paula Hadley-Kennedy to this email so she can add this correspondence to your proposal.

Kemi

Olukemi Fadayomi, Ph. D
Professor of Biology
Faculty-in-Residence, Faculty Center for Teaching & Learning
Chair, University Curriculum Committee
Ferris State University
ASC 2009, 820 Campus Drive
Big Rapids, MI 49307-2225

fadayok@ferris.edu Phone: (231) 591-5628 Fax: (231) 591-2540

From: ismjerry [mailto:ismjerry@yahoo.com]
Sent: Thursday, April 06, 2017 4:53 PM

To: Olukemi O Fadayomi <OlukemiFadayomi@ferris.edu> **Subject:** Re: ISI Certificate - Academic Senate Meeting

"Ethical Hacking" is a professional, industry term in Cybersecurity as you can see from the recent job postings on indeed.com via some of the world's largest employers. Please share this with those concerned.

I am willing to add verbiage to the certificates that state no classes from one certificate can be used for the other. I'd like to take care of this prior to the next meeting so that both concerns are addressed. Would it be appropriate to make this change now? The verbiage would be "No course from this certificate can be utilized to satisfy the requirements of a separate Cybersecurity certificate."

Security Penetration Tester

Ford Motor Company - **** 2,840 reviews - Dearborn, MI

A penetration testing / ethical hacking team is being created within Ford IT. Focus in the first year will be staffing of the team, building skills and required...

Sponsored - save job

Cyber Security Engineer



Net2Source Inc. - ***** 5 reviews - Auburn Hills, MI 48321

201-221-8131Cyber Security Engineer, Cryptographic Algorithms, Certificate Management, Trust Anchors, Certifications on Ethical Hacking, Network Security (CCNA,...

Sponsored by Dice - 13 hours ago - save job

Cyber Security Engineer

AQUA Information Systems, Inc. - Auburn Hills, MI 48326

Automotive domain is not mandatory.(1) Industrial Experience 10+ years(2) Automotive / Networking Domain Experience(3) Cyber Security Experience / Certification...

Sponsored by Dice - 13 hours ago - save job

Lead Penetration Tester - INF0019434

General Motors - **** 3,455 reviews - Detroit, MI

This role will be required to perform hands-on, technical penetration and ethical hacking tests of all facets of the GM environment....

14 days ago - save job - more...

Security Penetration Tester

Ford Motor Company - ***** 2,840 reviews - Dearborn, MI

A penetration testing / ethical hacking team is being created within Ford IT. Focus in the first year will be staffing of the team, building skills and required...

30+ days ago - save job - more...

Best Regards,

Gerald Emerick, M.Sc., CISSP, PMP, C|EH, E|CSA, GSSP-.NET **Assistant Professor** Information Security & Intelligence National Security Agency Center of Excellence DC3 Center of Digital Forensic Academic Excellence Ferris State University http://isi.ferris.edu

616-951-4676

From: Olukemi O Fadayomi < Olukemi Fadayomi@ferris.edu>

Date: Thursday, April 6, 2017 at 12:25 PM

To: fsu <ismjerry@yahoo.com>

Subject: RE: ISI Certificate - Academic Senate Meeting

Hi Jerry,

The two questions that came up were

- "Ethical Hacking Certificate" the department that teaches Ethics was concerned that the title might be misleading.
- 2. Students can get both certificates with only 6 additional credits because of the overlap.

Your proposal will be discussed at the April 25th Senate meeting at 10 am in UCB 202A. Let me know if you have additional questions.

Kemi
Olukemi Fadayomi, Ph. D
Professor of Biology
Faculty-in-Residence, Faculty Center for Teaching & Learning
Chair, University Curriculum Committee
Ferris State University
ASC 2009, 820 Campus Drive
Big Rapids, MI 49307-2225

fadayok@ferris.edu Phone: (231) 591-5628 Fax: (231) 591-2540

From: ismjerry [mailto:ismjerry@yahoo.com]
Sent: Wednesday, April 05, 2017 10:08 AM

To: Olukemi O Fadayomi < OlukemiFadayomi@ferris.edu > Subject: ISI Certificate - Academic Senate Meeting

Good Morning,

I am sorry I wasn't able to stay late at the meeting yesterday to answer questions and address comments / concerns. I had a faculty interview that I needed to attend at 11 AM.

I understand there were some comments / concerns regarding ethics which should be easy to address. I also understand there are some concerns about course overlap between the certificates?

Please detail the concerns so that I may address them. In terms of "ethics" the legal and ethical components are built in to the courses for that certificate.

Best Regards,

Gerald Emerick, M.Sc., CISSP, PMP, C|EH, E|CSA, GSSP-.NET
Assistant Professor
Information Security & Intelligence
National Security Agency Center of Excellence
DC3 Center of Digital Forensic Academic Excellence
Ferris State University
http://isi.ferris.edu
616-951-4676

Paula L Hadley-Kennedy

From:

ismjerry <ismjerry@yahoo.com>

Sent:

Tuesday, April 11, 2017 5:34 PM

To: Cc: Olukemi O Fadayomi Paula L Hadley-Kennedy

Subject:

Re: ISI Certificate - Academic Senate Meeting

I was just reading the UCC Manual that states a certificate must be at least 6 credits. Given that, I don't necessarily see a problem if a student were to share two courses between the certificate; especially since I believe this is very unlikely scenario. Would you agree that this does not violate policy as written?

Best Regards,

Gerald Emerick, M.Sc., CISSP, PMP, C|EH, E|CSA, GSSP-.NET
Assistant Professor
Information Security & Intelligence
National Security Agency Center of Excellence
DC3 Center of Digital Forensic Academic Excellence
Ferris State University
http://isi.ferris.edu
616-951-4676

From: fsu < ismjerry@yahoo.com>
Date: Friday, April 7, 2017 at 11:51 AM

To: Olukemi O Fadayomi < <u>OlukemiFadayomi@ferris.edu</u>> **Cc:** Paula L Hadley-Kennedy < <u>PaulaHadley-Kennedy@ferris.edu</u>>

Subject: Re: ISI Certificate - Academic Senate Meeting

Ok, thank you. Best Regards,

Gerald Emerick, M.Sc., CISSP, PMP, C|EH, E|CSA, GSSP-.NET
Assistant Professor
Information Security & Intelligence
National Security Agency Center of Excellence
DC3 Center of Digital Forensic Academic Excellence
Ferris State University
http://isi.ferris.edu
616-951-4676

From: Olukemi O Fadayomi < Olukemi Fadayomi@ferris.edu >

Date: Friday, April 7, 2017 at 11:19 AM

To: fsu < ismjerry@yahoo.com>

Cc: Paula L Hadley-Kennedy < Paula Hadley-Kennedy@ferris.edu >

Subject: RE: ISI Certificate - Academic Senate Meeting

Hi Jerry,

There may be other questions/suggestions from the Senate in addition to the two questions, so I suggest we wait on the paper work changes until after the April 25th meeting.

I have copied Paula Hadley-Kennedy to this email so she can add this correspondence to your proposal.

Kemi
Olukemi Fadayomi, Ph. D
Professor of Biology
Faculty-in-Residence, Faculty Center for Teaching & Learning
Chair, University Curriculum Committee
Ferris State University
ASC 2009, 820 Campus Drive
Big Rapids, MI 49307-2225

<u>fadayok@ferris.edu</u> Phone: (231) 591-5628 Fax: (231) 591-2540

From: ismjerry [mailto:ismjerry@yahoo.com]
Sent: Thursday, April 06, 2017 4:53 PM

To: Olukemi O Fadayomi < OlukemiFadayomi@ferris.edu > Subject: Re: ISI Certificate - Academic Senate Meeting

"Ethical Hacking" is a professional, industry term in Cybersecurity as you can see from the recent job postings on indeed.com via some of the world's largest employers. Please share this with those concerned.

I am willing to add verbiage to the certificates that state no classes from one certificate can be used for the other. I'd like to take care of this prior to the next meeting so that both concerns are addressed. Would it be appropriate to make this change now? The verbiage would be "No course from this certificate can be utilized to satisfy the requirements of a separate Cybersecurity certificate."

Paula L Hadley-Kennedy

From: Olukemi O Fadayomi

Sent: Friday, April 7, 2017 11:20 AM

To: ismjerry

Cc: Paula L Hadley-Kennedy

Subject: RE: ISI Certificate - Academic Senate Meeting

Hi Jerry,

There may be other questions/suggestions from the Senate in addition to the two questions, so I suggest we wait on the paper work changes until after the April 25th meeting.

I have copied Paula Hadley-Kennedy to this email so she can add this correspondence to your proposal.

Kemi

Olukemi Fadayomi, Ph. D Professor of Biology Faculty-in-Residence, Faculty Center for Teaching & Learning Chair, University Curriculum Committee Ferris State University ASC 2009, 820 Campus Drive Big Rapids, MI 49307-2225

<u>fadayok@ferris.edu</u> Phone: (231) 591-5628 Fax: (231) 591-2540

From: ismjerry [mailto:ismjerry@yahoo.com] Sent: Thursday, April 06, 2017 4:53 PM

To: Olukemi O Fadayomi <OlukemiFadayomi@ferris.edu> **Subject:** Re: ISI Certificate - Academic Senate Meeting

"Ethical Hacking" is a professional, industry term in Cybersecurity as you can see from the recent job postings on indeed.com via some of the world's largest employers. Please share this with those concerned.

I am willing to add verbiage to the certificates that state no classes from one certificate can be used for the other. I'd like to take care of this prior to the next meeting so that both concerns are addressed. Would it be appropriate to make this change now? The verbiage would be "No course from this certificate can be utilized to satisfy the requirements of a separate Cybersecurity certificate."

Security Penetration Tester

Ford Motor Company - **** 2,840 reviews - Dearborn, MI

A penetration testing / ethical hacking team is being created within Ford IT. Focus in the first year will be staffing of the team, building skills and required...

Sponsored - save job

Cyber Security Engineer



Net2Source Inc. - ***** 5 reviews - Auburn Hills, MI 48321

201-221-8131 Cyber Security Engineer, Cryptographic Algorithms, Certificate Management, Trust Anchors, Certifications on Ethical Hacking, Network Security (CCNA,...

Sponsored by Dice - 13 hours ago - save job

Cyber Security Engineer

AQUA Information Systems, Inc. - Auburn Hills, MI 48326

Automotive domain is not mandatory.(1) Industrial Experience 10+ years(2) Automotive / Networking Domain Experience(3) Cyber Security Experience / Certification...

Sponsored by Dice - 13 hours ago - save job

Lead Penetration Tester - INF0019434

General Motors - ***** 3,455 reviews - Detroit, MI

This role will be required to perform hands-on, technical penetration and ethical hacking tests of all facets of the GM environment....

14 days ago - save job - more...

Security Penetration Tester

Ford Motor Company - ***** 2,840 reviews - Dearborn, MI

A penetration testing / ethical hacking team is being created within Ford IT. Focus in the first year will be staffing of the team, building skills and required...

30+ days ago - save job - more...

Best Regards,

Gerald Emerick, M.Sc., CISSP, PMP, C|EH, E|CSA, GSSP-.NET Assistant Professor

Information Security & Intelligence

National Security Agency Center of Excellence

DC3 Center of Digital Forensic Academic Excellence

Ferris State University

http://isi.ferris.edu

616-951-4676

From: Olukemi O Fadayomi < Olukemi Fadayomi@ferris.edu>

Date: Thursday, April 6, 2017 at 12:25 PM

To: fsu <ismjerry@yahoo.com>

Subject: RE: ISI Certificate - Academic Senate Meeting

Hi Jerry,

The two questions that came up were

- "Ethical Hacking Certificate" the department that teaches Ethics was concerned that the title might be misleading.
- 2. Students can get both certificates with only 6 additional credits because of the overlap.

Your proposal will be discussed at the April 25th Senate meeting at 10 am in UCB 202A. Let me know if you have additional questions.

Kemi

Olukemi Fadayomi, Ph. D Professor of Biology Faculty-in-Residence, Faculty Center for Teaching & Learning Chair, University Curriculum Committee Ferris State University ASC 2009, 820 Campus Drive Big Rapids, MI 49307-2225

fadayok@ferris.edu Phone: (231) 591-5628 Fax: (231) 591-2540

From: ismjerry [mailto:ismjerry@yahoo.com]
Sent: Wednesday, April 05, 2017 10:08 AM

To: Olukemi O Fadayomi < Olukemi Fadayomi@ferris.edu >

Subject: ISI Certificate - Academic Senate Meeting

Good Morning,

I am sorry I wasn't able to stay late at the meeting yesterday to answer questions and address comments / concerns. I had a faculty interview that I needed to attend at 11 AM.

I understand there were some comments / concerns regarding ethics which should be easy to address. I also understand there are some concerns about course overlap between the certificates?

Please detail the concerns so that I may address them. In terms of "ethics" the legal and ethical components are built in to the courses for that certificate.

Best Regards,

Gerald Emerick, M.Sc., CISSP, PMP, C|EH, E|CSA, GSSP-.NET Assistant Professor Information Security & Intelligence National Security Agency Center of Excellence DC3 Center of Digital Forensic Academic Excellence Ferris State University http://isi.ferris.edu 616-951-4676

CURRICULUM PROPOSAL SUMMARY AND ROUTING FORM

Proposal Title: Certificate program in forensic accounting.

Initiating Individual: Phillip M. Kohn

Initiating Department or Unit: AFIS

ontact Person's Name: Phillip M. Ko	ohn Email: kohnp@ferris.ed	lu		Phor	ne: 310-6	12-68	98		
	be completed and included BEFORE e University Curriculum Committee	- 31		(ched	kboxes ind specific to	icate t			
PROPOSAL GROUP: See Table B-1 in the	ne UCC Manual for description.	1 1	PCAF Link	Α	B-UND B-GRA	<u>C</u>	D	<u>EF</u>	FIN
I-A: New Degree, major, concentration offering	n, minor, or redirection of a current								
I-B: Deletion of a degree, major, conc	entration, or minor								
II-A: New Course, modification of a co Check here if deleting a course	ourse, deletion of a course								
I-B: Minor Curriculum Clean-up			TO BE	2		2	Z	⊠	Ø
II: Certificate (☐ College Credit ☐ No	on-credit New Certificate)								
V: Other site location (☐ College Cre	dit 🗆 Non-credit)								
V: Off Campus: Other site location (College Credit Non-credit								
V: Non-degree Offering : Other site l	ocation (🗆 College Credit 🗖 Non-cre	dit)							
	PLEASE PRINT and SIGN YOUR NAME		DATE			-	ON * N	lumber (Count
Program Representative **	Phillip M Kohn PlhM	2-20	0-201	7	Supple Supple Supple Not :	oort wi Suppo ain		cerns	
Department/School/Faculty Representative Vote **	L. H. Bajor X. H. Bajor	3-	1-/	7	Supp Supp Not:	oort wi Suppo		cerns	
Department/School Administrator	Z. H. Bgin	3-	1-1	7	UNIO	oort wi Suppo	th Con rt	cerns	
College Curriculum Committee/Faculty Array N Dorey Array M Dorey				7	Not :	oort wi Suppo ain	th Con rt	cerns	
UCC Representative	0.44	1	-	1	Supr	ort			

** Number Count <u>must</u> be given for all membe	ers present and/or voting.
	Date of the classic states

UCC Representative

Dean

University Curriculum

Committee **

Senate **

Academic Affairs

4. [1] (4. T. P. M. D. T. T. T. D. H. T.	
To be completed by Academic Affairs	Date of Implementation:

Academic Officers of MI (Date Approved) Board of Trustees (Date Approved) President (Date Approved

Hold Not Support

Support

Not Support Support

Not Support Abstain

Not Support Abstain Support

Not Support

Support

__ Hold

Support with Concerns

Support with Concerns

Support with Concerns

^{*} Support with Concerns or Not Support <u>must</u> include identification of specific concern with appropriate rationale.

Proposal Summary: (Summary is generally less than one page. Briefly state what is proposed with a summary of rationale and highlights)

Create a new course, ACCT 372 and a certificate level program in Forensic Accounting.

Forensic accounting encompasses such areas a financial fraud detection, fraud types, the financial and accounting aspects of business disputes, data recovery and analysis, and expert witness testimony. Students desiring to pursue a career in this field need a course that focuses on the financial aspects of business disputes and fraud. The current forensic accounting course (ACCT 370) has a fraud concentration and does not devote enough time to quantification or linking legal entitlement to financial damage. ACCT 372 would include an overview of the legal aspects of disputes from an expert witness perspective, quantification of financial damage techniques in areas such as breach of contract, lost profits and breach of fiduciary duty. Additionally, students will examine issues unique to contracts between private companies and government entities. Prerequisites: Junior standing and completion of ACCT 202 with a C- or better. Offered Fall.

The Accounting Program faculty are proposing the creation of a certificate level program in forensic accounting that will offer FSU students a unique learning opportunity in an expanding career field. Forensic accounting encompasses such areas as financial fraud detection, fraud types, the financial and accounting aspects of business disputes, data recovery and analysis, and expert witness testimony. This certificate would enhance the marketability of students with interests in accounting, computer information systems, risk management or criminal justice by providing foundational knowledge in fraud, business disputes and data analytics. These areas of expertise are in demand across all industries as well as in organizations such as the FBI.

The certificate would consist of the following courses:

Fraud Examination (HSCJ 317)

Students will examine the fundamental reasons of why people commit fraud. Participants will investigate and explore how opportunity, pressures and rationalization are linked together to foster an atmosphere that can allow fraud to occur. Additionally, students will learn basic examination techniques for discovering fraud and more importantly, how to deter fraud from taking place.

Forensic Accounting (ACCT 370)

Topics covered include: principles and methodology of fraud detection and deterrence; ethical issues related to accounting and auditing; the nature of fraud and its effects on business organizations. Methods to prevent, detect, and investigate fraud will be explored in detail with a focus on management and financial statement fraud. Students will develop skills in preventing and detecting fraudulent activities.

Forensic Accounting II (ACCT 372) New Course

Students will focus on the financial aspects of business disputes and fraud. This includes an overview of the legal aspects of disputes from an expert witness perspective, quantification of financial damage techniques in areas such as breach of contract, lost profits and breach of fiduciary duty. Additionally, students will examine issues unique to contracts between private companies and government entities.

Link and Visual Analysis (ISIN 300)

Transformation of information into a visual format for analysis, interpretation, reporting and presentation. Students apply link and visual analysis techniques to investigative processes involved in gathering information, as well as develop techniques and strategies to work through the digital implications for dealing with data from multiple sources. Analysis of digital data such as phone and financial records, surveillance information and visual media are included.

nd avoid fraud, how to skills.

						of how and why it occ ert witness are all valu	
2.	Sumi	mary of Curricu	ılar Action (Check all	that apply to this p	roposal)		
		Degree	☐ Major	☐ Minor	☐ Concentration	□ Certifica	ate 🖾 Course
	⊠ !	New	☐ Modification	☐ Deletion			
	Nam	e of Degree, M	ajor, etc.: Click here	to enter text.			
3.	Sun	nmary of All Co	urse Action Required	d:			
	A.	Newly Create	d Courses to be Add	ed to the Catalog			
		Prefix ACCT	372	Number Forensic Accountin	g II	Title	
	В.	Courses to be	Deleted from FSU C	Catalog			
		Prefix Click here to	enter text. Click her	Number e to enter text.	Click her	Title e to enter text.	
	C.	Existing Cours	ses to be Modified				
		Prefix		Number	_w	Title	
		Click here to	enter text. Click her	e to enter text.	Click her	e to enter text.	

	E.	Prefix HSCJ ACCT ISIN Removal of ex Prefix	317 370 300 xisting FSU	Forensic Link and	Number amination Accounting Visual Analy rom program Number	/sis	Title Title			
		Click here to	enter text.	Click here	e to enter te	ext.	Click here to enter	text.		
4.	Sum	mary of All Co	nsultations	5						
	Forn	n Sent (B/B-UG	SPC or C)		Date Sent		Responding Depart	tment	Date Received & By Whom	1
	Forn	m C 3-1-17	Flite Sen	vices	3	3-1-17 — David Sco	tt			
5.	Will	External Accre	editation be	sought?	(For new pr	ograms or certifica	ates only)			
	If ye	s, name the or	ganization	involved	with accred	itation for this pro	gram. Click here to e	enter text.		
6.	ls a l	PCAF required	? 🗆 Yes	⊠ No	Is the PCAI	Fapproved? 🗆 Ye	es 🗆 No (If yes, su	pply link on Academi	ic Affairs website where PCA	AF is posted.)
7.	⊠ A	gram Checkshe add Course Move from elec	☐ Delete	Course	☐ Modify	neck all that apply t Course		QUIRED Move from requ Change Credit h		
8.	List	all Checksheet	s affected	by this pro	posal:					
	COB COB New	877	AFIS attached =	See Form		nt Accounting		Program		

D. Addition of existing FSU courses to program

FLITE SERVICES CONSULTATION FORM

To be completed by the fialson librarian and approved by the Dean of FLITE. FLITE must return the original form to the Academic Senate office to be inserted in the proposal and a copy to the initiator. FLITE must respond within 10 business days of receipt of this form to insure that the form is included in the final proposal.

Failure to respond by 10 business days of receipt of this form is interpreted as support for the proposal.

RE: Proposal Title: Certificate Program in Forensic Accounting

Projected number of students per year affected by proposed change: 25

initiator(s): Phillip M. Kohn
Proposal Contact: Philip M. Kohn Dale Sent: 3-1-2017
Department: AFIS Campus Address: IRC 212P (Please type)
3-6-17 Liaison Librarian Signature: Click here to enter text. Dean of FLITE Signature: Click here to enter text. Dean of FLITE Signature: Click here to enter text.
Based upon our review on J 12 (date), FLITE concludes that:
Distrary resources to support the proposed curriculum change are currently available.
 Additional Library resources are needed but can be obtained from current funds.
Support, but significant additional Library funds/resources are required in the amount of S_Click here to enter text.
Does not support the proposal for reasons listed below.
Comment regarding the impact this proposal will have on library resources, collection development, or other FLITE programs. Use additional pages if necessary. Click here to enter text.



Banner Program Code: ASI-CT-BU

231-591-2434

Department/School: AFIS/College of Business

afis@ferris.edu

Student Name:

FORM D - PROPOSED

Forensic Accounting Certificate - 12 Credits

College of Business

Student CWID:

ADMISSION REQUIREMENTS Any person admitted to a Ferris State University degree program may enroll in courses for undergraduate COB certificates. No more than 50% of the credits in a certificate may be transferred from another institution. If a student is in an FSU degree seeking program, the certificate will not be granted if more than 50% of the certificate credits are required in the program/major.					
Individuals wanting	to advance th	eir career, but not admitted to an FSU degree program, may also earn undergraduate C	OB certificates.		
 Unless it is certificate should sults. Students v. 	is determined in successfully a bmit all colleg wishing to pure	by the COB dean's office that regular program admission criteria should be met in ordered and be a contributing member of the course, applicants need only show proof of a 2.35 the transcripts. An advisor will be assigned by the College of Business in the certificate sue a bachelor or associate's degree must meet the admission criteria for the program. **gram Change Form" request is processed through the COB dean's office.	high school GPA. program.	. Students	
REQUIRED CO	URSES – 12	Credits Required			
Require	ed	Course Title (Prerequisites shown in parenthesis)	Crs	Gr	
ISIN	300	Link and Visual Analysis	3		
HSCJ	317	Fraud Examination	3		
ACCT	370	Forensic Accounting (Junior standing and completion of ACCT202 with a C- or bettor)	3		
ACCT	372	Forensic Accounting II (Junior standing and completion of ACCT202 with a C- or bettor)	3		
NOTIC	For mo	granted if more than 50% of the certificate credits are specifically required in the stude students must be able to demonstrate competency in ISYS 105 topics or take ISYS 105 ore information, please contact the AFIS Department at 231-591-24 DING WITHDRAWAL, RE-ADMISSION AND INTERRUPTION university after an interrupted enrollment (not including summer semes	34. N OF STUDIE		
		tificate which are in effect at the time of their return, not the requirement when they were originally admitted.			
Student Signature: Date:					
AFIS Department Approval: Date:					
For Office Use O	Only				

MyDegree Blocks

Prod

PreProd

Original Creation Date: 200605

Update Effective Term: 201708

Update UCC Proposal Number:

Update Effective Catalog Year: 2017/2018

Certificate Program in Forensic Accounting - 12 Credits

GE	RTIFICATE OUTCOMES (the outcomes will be used in TracDAT)
1.	Outcome 1: Identify and describe various forms of fraud. Learn accepted methods of collecting and handling evidence. Summarize the economic consequences of business activities to inform decision makers in complex economic environments supported by accepted accounting principles and industry standards.
2.	Outcome 2: Identify and describe possible ethical issues such as conflict of interest, bribery and breach of fiduciary duty. Adhere to the ethical requirements of the profession and be able to make value-based decisions by identifying ethical issues and formulating well-founded ethical judgments in the practice of accounting.
3.	Outcome 3: Explore how motive, opportunity and rationalization can lead to fraud. Evaluate economic effects of business transactions and identify assumptions, extraneous information, reasoning, and evaluation of arguments.
4.	Outcome 4: Learn to transform digital information into visual format for analysis, interpretation and presentation. Present and defend interpretations of financial information through formal and informal, written, and oral presentations using appropriate technology.

Course Information Form (formerly Form E and Form F)

١.	ACTI	ON	TO	BE.	TAKE	V :

□ CREATE, □ MODIFY, OR □ DELETE

Desired Term Effective Date (6-digit code): 201808

NOTE: The first four digits indicate year, the next two digits indicate month in which term begins.

II.COURSE IDENTIFICATION: Click here to enter course information

ACCT372 - Forensic Accounting II

If deleting a course STOP HERE.

For modification, complete all fields that will be changed.

If creating a course, complete all relevant fields.

CURRENT						PROPOSED						
Prefix	Number	Contact Hours	Lecture	Lab	Seminar	Prefix	Number	Contact Hours	Lecture	Lab	Seminar	
						ACCT	372	45				
Title: 0	lick here	to enter t	ext.			Title: F	orensic A	ccounting	; II			
Credi	t Hours	Prereq	uisites		Co-	Credit Hours Prerequisites Co-				Co-		
				requisites						requisites		
							3		Junior standing and			
									etion of with a C-			
								A1, 24 en (15, 01) An (15, 05)	etter			
Course	/Catalog	Description	on (125 w	ords)		Course/Catalog Description (125 words)						
	ere to ent						nts will foo				cts of	
						busine	ss dispute	es and fra	ud. This i	includ	es an	
					-	overview of the legal aspects of disputes from						
						an expert witness perspective, quantification of						
						financial damage techniques in areas such as						
						breach of contract, lost profits and breach of						
						fiduciary duty. Additionally, students will						
						examine issues unique to contracts between						
						private companies and government entities.						
						Prerequisites: Junior standing and completion o						
C	0			Dlan		ACCT 202 with a C- or better. Offered Fall.						
No. of the last of	ere to ent		sessment	Plan		Course Outcomes and Assessment Plan						
CHCK II	ere to em	er text.				Technical Knowledge & Skills: Summarize the economic consequences of business activities to						
						0.00	decision					
						environments supported by generally accepted accounting principles. Ethical Issues: Adhere to						
						20.	hical requi					
							e to make					
							ying ethic				222	
						7.00 0.00 0.00	ed ethical			and the second second second		
						accour	nting. Crit	ical Think	ing: Eval	uate e	conomi	
						effects	of busine	ess transa	ctions an	d ider	itify	
							ptions, ex			830		
						reasor	ing, and e	valuation	of argun	nents.	6	

_			To	Tirective
			Communication Skills: Present and defend	
			interpretations of financial information through	
			formal and informal, written, and oral	}
			presentations using appropriate technology. Students will be evaluated/graded using case	
			study analysis, conventional in-class exams and	
			written reports.	
C	ourse Outline including Time Allocation	\vdash	Course Outline including Time Allocation	-
_	ick here to enter text.	-	Litigation services provided by topic experts	1
`'	to their text.		including the role of the expert witness,	
			standards of conduct and testifying under oath.	
			Contact hours - 5.00; Evidence management,	
			contact hours - 2.50; Quantification of financial	
			damages including lost profits, cost behavior,	
			mitigation and discounting. Contact hours -	
			7.50; Antitrust disputes, contact hours - 3.75;	
			Intellectual property disputes including patents,	
			trademarks and trade secrets. contact hours -	
			5.00; False Claims Act litigation, contact hours -	
			5.00; Public contract disputes, contact hours -	
			6.25; Business valuations, contact hours - 5.00;	
			In-class assessment including exams and	
			presentations, contact hours -5.00	
_	IS and ISC/LAD/CENA Charle have a commerciate	10-	Total Contact Hours - 45.00	J
A.	If not LEC/LAB/SEM, Check box as appropriate	(Se	e Definitions in Appendix Ef:	
	Practicum			
v	☐ Independent Study			
В.	College Code: BU	P1000		
C.	Department Code: AFIS - Account, Finance, Info	s S	ystems	
D.				
	☐ Variable			
	⊠ Fixed			
E.	Minimum Credit Hours: 3			
F.	Maximum Credit Hours: 3			
G.	Hours may be repeated for additional credit:			
	⊠ No			
	☐ Yes — If yes, max times repeated: Click here	to	enter text. OR max credits awarded: Click here to e	nter text.
H.	Levels:			
	☑ Undergraduate			
	☐ Graduate			
	□ Professional			
2				
	Grade Method:			
	Standard Letter Grading			
	☐ Credit/No Credit			
J.	Does the proposed course replace an equivaler	nt (course?	
	⊠ No			
	☐ Yes — If yes, enter equivalent course: Click he	re	to enter text	

Course Prefix, Number - Course Title

L. Max Section Enrollment: Lecture: 30 Lab: Click here to enter text.	
To be completed by Academic Affairs Office: Standards & M ☐ Basic Skill (BS), ☐ General Education, ☐ Occupational Education	
UCC Chair Signature & Date:	Academic Affairs Approval Signature & Date:
OFFICE OF THE REGISTRAR USE ONLY Date Rec'd: Date Completed: Entered: \(\tau \) SCACRSE \(\tau \) SCAPREO	

K. Term(s) Offered: Fall

FORM FIN

To be completed by the Director of Financial Aid (DFA). The DFA must return the original form to the Academic Senate Office to be inserted into the original proposal and a copy to the initiator (proposer). The DFA must respond within 10 business days of receipt of this form to insure that the form is included in the final proposal.

Failure to respond by 10 business days of receipt of this form is interpreted as support for this proposal.

Proposal Title: Certificate program in forensic accounting Initiators: Phillip Kohn Proposal Contact: Phillip Kohn Date Sent: 3-1-17 Department: AFIS Campus Address: IRC212P Director of Financial Aid Signature: Helde Wisby Date Returned: March 2, 2017 Please check all that apply: The new program is remedial as it prepares students for study at the postsecondary level. This program is not an eligible program per Federal requirements; therefore students in this program are not eligible to receive financial aid. ☐ The new program is considered a preparatory program as it prepares a student for a given program, i.e., they do not meet the academic criteria to be admitted into the program. Student is only elioible for Federal Direct Loans for one year. The new program is a certificate program. Certificate programs are not eligible programs per Federal requirements; therefore students in this program are not eligible to receive financial aid. The new program is a teacher certification program where it provides coursework required for a professional State credential necessary for employment as an elementary or secondary school teacher, but for which the institution awards no academic credential. Students are eligible for Federal Direct Loans only at an undergraduate level. ☐ The new program is a teacher certification program that will award a certificate credential. Certificate programs are not eligible program per Federal requirements; therefore students in this program are not eligible to receive financial aid. ☐ The new program is a Bachelor Completion program; a two-year degree completion program that requires an associate degree or the successful completion of at least two years of college coursework as a prerequisite for admission. These are aid eligible programs and students may receive financial aid. ☐ The new program is a Master's, Professional, or Doctoral Degree/Major program that allows students to take some undergraduate courses where some deficiency exists. Please note, students are eligible to receive Federal loans for the program, but undergraduate courses will not be included in the total credit count to determine loan eligibility. Students must be half time (Graduate/Professional = 5 credits, Doctoral = 3 credits) in graduate level courses to receive Federal aid. The new program is an Associate's, Bachelor's, Master's, Professional, or Doctoral Degree/Major and is conferred upon graduation. Per Federal requirements, these are aid eligible programs and students may receive financial aid.

Please include the number of credit hours to earn the degree or credential being sought. This is required as it must be reported to the Department of Education as well as the National Student Loan Cleaninghouse, regardless if students are receiving federal aid.

Credits Required to Earn Degree: 12

Darlene J Waring

From:

Phillip M Kohn

Sent:

Friday, March 31, 2017 10:37 AM

To:

Darlene J Waring

Subject:

Fw: Foresenic Accounting Certificate Proposal

From: Billie S Anderson

Sent: Tuesday, March 21, 2017 9:38 AM

To: Phillip M Kohn

Cc: Amy M Dorey; Jeff A Ek; Sharon L George; Felix A Bollou; Lisa Eshbach; Alexander W Manga; Paul W Jackson

Subject: Foresenic Accounting Certificate Proposal

Hi Phil,

I wanted to follow-up with you regarding our question in the CCC meeting you attended last week. I did reach out to Kemi regarding whether multiple rows could be selected on Form A. Below is Kemi's response:

"You can pick multiple groups but typically proposals with multiple groups that do not require a PCAF will fall under the Minor Curriculum Clean-up.

My advice is to ask for clarification from UCC whenever a proposal initiator is unsure of what actions to take."

I would follow Kemi's (UCC) advice. If you look on p. 14 of the manual it does state that a Minor Curriculum Clean-up is for a new course (which you have) and a PCAF is not required (which is also true for your proposal).

The reason I think this proposal is not a New Certificate (row/group III) is based on p.p. 14-15 of the UCC manual. You are not creating a certificate with three or more new courses and you do not need a PCAF.

I would recommend that you change Form A to indicate a Minor Curriculum Clean-Up.

And, of course, if any members of the CCC would like to add/correct my suggestion, please feel free to respond.

I hope this helps. I am excited for the Accounting students (and others) that you are offering such a relevant program offering!

Thank you.

Billie

Billie Anderson, Ph.D.
Hagerman Endowed Chair in Medical Informatics
Associate Professor of Informatics
College of Pharmacy
University Curriculum Committee
Ferris State University

Darlene J Waring

From:

Phillip M Kohn

Sent:

Friday, March 31, 2017 10:35 AM

To:

Darlene J Waring

Subject:

Fw: Forensic Certificate

Darlene,

This is the most recent email in the string. More to follow.

Phil

From: Amy M Dorey

Sent: Tuesday, March 28, 2017 3:17 PM

To: Phillip M Kohn

Subject: RE: Forensic Certificate

Phillip,

Yes, I would recommend moving your marked boxes to Group II and I believe white out and marking the correct line on the existing Form A is sufficient.

Amy M Dorey, RS, CHE
Ferris State University
Hospitality Management
1319 Cramer Circle WCO 106
Big Rapids, MI 49307

doreya@ferris.edu

231.591.2383

http://www.ferris.edu/business/programs/hospitality

From: Phillip M Kohn

Sent: Thursday, March 23, 2017 11:44 AM To: Amy M Dorey AmyDorey@ferris.edu>

Subject: Forensic Certificate

Me again.

Here is the relevant portion of the UCC Manual:

Group II: New courses; Minor curriculum changes

- New course, modification of any element of a course, deletion of a course from the Catalog.
- Technical revision of degree or program/major: e.g., modification of sequence of courses, revisions to entrance,

progression or exit policies, or program/major name change; fewer than three new courses.

• New concentrations comprised of existing courses or <u>fewer</u> than three new courses.

Group III: Certificates

Requiring PCAF:

- New certificates including three or more new courses
- New non-credit certificates

Not Requiring PCAF:

• New college-credit certificates comprised of existing courses or <u>fewer than three new courses</u>

Based on my reading of this it seems like it should be row III. Phil

Darlene J Waring

From:

Phillip M Kohn

Sent:

Friday, March 31, 2017 10:36 AM

To:

Darlene J Waring

Subject:

Fw: S17-016 Certificate Program in Forensic Accounting status

Attachments:

Forensic-FormD-Checksheet.docx; Forensic-Outcomes.docx; Forensics-FormC-

Signed.pdf

From: Phillip M Kohn

Sent: Wednesday, March 15, 2017 4:28 PM

To: Amy M Dorey

Subject: Re: S17-016 Certificate Program in Forensic Accounting status

Dear Amy,

What should be attached:

Revised Form D with prerequisites added

Signed Form C

Certificate outcomes that cover all courses

Please let me know if everything is satisfactory.

Have yet to hear from Billie about the Form A box checking issue, (Form A, Section IIA) so will leave as is until further notice.

Thanks so much for your help.

Phil

From: Amy M Dorey

Sent: Wednesday, March 15, 2017 10:33:00 AM

To: Phillip M Kohn

Cc: Alexander W Manga; Felix A Bollou; Jeff A Ek; Lisa Eshbach; Paul W Jackson; Sharon L George; Jerry J Emerick

Subject: S17-016 Certificate Program in Forensic Accounting status

Hello Phillip,

Based on the discussion during this morning's CCC meeting, the following suggestions were made:

- Need Form C sent to FLITE in light of the new course developed
- 2. Revise the certificate outcomes to reflect the comprehensive outcomes of all four courses
- 3. Add the pre-requisites of all courses on the Form D proposed check sheet

Upon completion of these changes, please send the updated version to me via email and I will disburse to the committee for electronic vote.

Thank you in advance Phillip.

Amy M Dorey, RS, CHE
Ferris State University
Hospitality Management
1319 Cramer Circle WCO 106
Big Rapids, MI 49307
doreya@ferris.edu
231.591.2383
http://www.ferris.edu/business/programs/hospitality

Darlene J Waring

From:

Phillip M Kohn

Sent:

Friday, March 31, 2017 10:35 AM

To:

Darlene J Waring

Subject:

Fw: Forensic Certificate

Darlene,

This is the most recent email in the string. More to follow.

Phil

From: Amy M Dorey

Sent: Tuesday, March 28, 2017 3:17 PM

To: Phillip M Kohn

Subject: RE: Forensic Certificate

Phillip,

Yes, I would recommend moving your marked boxes to Group II and I believe white out and marking the correct line on

the existing Form A is sufficient.

Amy M Dorey, RS, CHE

Ferris State University

Hospitality Management

1319 Cramer Circle WCO 106

Big Rapids, MI 49307

doreya@ferris.edu

231.591.2383

http://www.ferris.edu/business/programs/hospitality

From: Phillip M Kohn

Sent: Thursday, March 23, 2017 11:44 AM To: Amy M Dorey AmyDorey@ferris.edu>

Subject: Forensic Certificate

Me again.

Here is the relevant portion of the UCC Manual:

Group II: New courses; Minor curriculum changes

- New course, modification of any element of a course, deletion of a course from the Catalog.
- Technical revision of degree or program/major: e.g., modification of sequence of courses, revisions to entrance,

progression or exit policies, or program/major name change; fewer than three new courses.

 New concentrations comprised of existing courses or <u>fewer</u> than three new courses.

Group III: Certificates

Requiring PCAF:

- New certificates including three or more new courses
- New non-credit certificates

Not Requiring PCAF:

• New college-credit certificates comprised of existing courses or <u>fewer than three new courses</u>

Based on my reading of this it seems like it should be row III. Phil

ACADEMIC SENATORS 2017-2018

_			ACADEMIC SENATORS 20			
	College/Unit	Last Name	First Name	Office	Ext.	Committee Assignment
1.	Allied Health	Epps	Antoinette (2)	VFS 409	2266	International Education Committee
2.		Zyla	Emily (2)	VFS 318	2275	Professional Development Committee
3.		Wancour	Susan (1)	VFS 312	2398	
4.		Moore	Gary (2)	VFS 320	3187	
5.	Arts & Sciences	Alspach	Sandy (2)	JOH 127	2779	Athletic Advisory Committee, Senate E-board member
6.		Berghoef	Michael (2)	ASC 2108	2765	Health Promotion Committee
7.		Gray	John Scott (2)	JH 119	3515	Senate Diversity Committee
8.		Thomson	Mark (2)	ASC 3007	5895	
9.		Bacon	Charles (2)	ASC 3019	2586	Student Life Committee, Athletic Advisory, Senate Vice President
10.		Daubert	Daisy (2)	ASC 2012	2554	
11.		Conley	Kristin (1)	ASC 1027	2808	
12.		Weaver	Janice (2)	ASC 2098	3597	
13.		Balanda	Peter (1)	ASC 3012	5870	Academic Policy and Standards Committee
14.		Johnson	Jennifer (2)	ASC 2074	2768	
15.		Stone	Mischelle (1)	ASC 2108	3782	Graduate Task Force
16.		Fadayomi	Kemi (1)	ASC 2009	5628	University Curriculum Committee
17.	Business	Marion	David (1)	BUS 342	3164	Academic Program Review Council
18.		Bajor	Larry (2)	IRC 212B	3153	Professional Development Committee
19.		Wolfer	Kathryn (2)	WCO 102	2399	
20.		Inabinett	Jean (2)	IRC 212 E	3133	
21.		Shimko	James (1)	IRC 212Q	3157	Faculty Research Committee
22.	Counselors/	VanLent	Mark (1)	BHC 210	5968	University Curriculum Committee
23.	Librarians	Isler	Melinda (2)	FLT 358	3731	Senate E-board, University Grad & Professional Council
24.	Education	Wyss	Vanessa (2)	BIS 414	5377	
25.		Ing	Liza (1)	BIS 410	5362	Graduate and Professional Council
26.	Optometry	Aslakson	Emily (2)	MCO 231	2177	
27.		Dinardo	Amy (1)	MCO 231	2202	Faculty Research Committee
28.	Non-tenure Track Inst. Faculty (Fall Election)	Brecken	Don (1)			University Curriculum Committee
29.		Bacon	Mary (1)	ASC 3019	2586	Library/Historical/Archival Committee
30.		Fox	Bernadette (1)	ASC 3080	2522	Arts and Lectures Committee
31.	Pharmacy	Baran	Rose (1)	PHR G	616-463-1134	Academic Policy and Standards, Senate E-board member
32.		Axford	Katie (2)	PHR 202A	2209	
33.		Bright	David (2)	PHR 202B	2231	Health Promotions
34.	Engineering Technology	Drake	Chuck (1)	SWN 405	2788	Student Life Committee
35.		Hanna	David (1)	GRN 227	2788	Distinguished Teacher Committee
36.		Rumpf	Jim (2)	SWN 108	3591	International Education Committee
37.		Desmond	Christiaan (2)	UT 103H	2361	
38.		Todd	Gareth (1)	JOH 309	5041	Academic Program Review
39.		Maike	Gary (1)	HEC 203	2816	Arts and Lectures Committee