

Adopting an Open Textbook Olukemi Fadayomi, Ph.D.

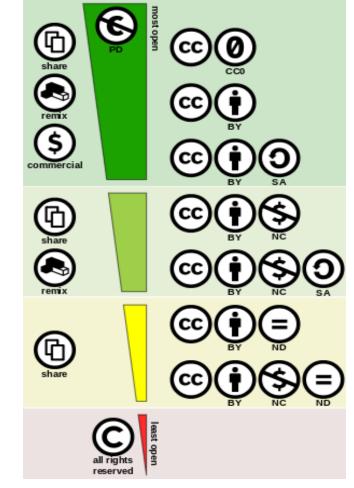
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Pre-Adoption Steps

What is Open Textbook?

- Open Textbook is a type of Open Educational Resource (OER) copyright licensed through creative commons, (cc)
- Depending on the copyright license, (cc) allows the user to copy, download, rearrange or edit the text.

Types of Creative Commons Licenses



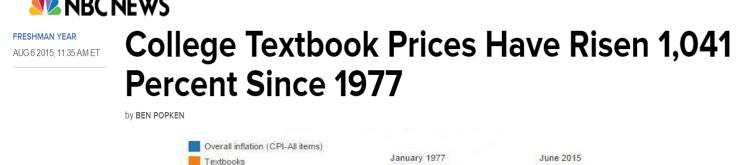
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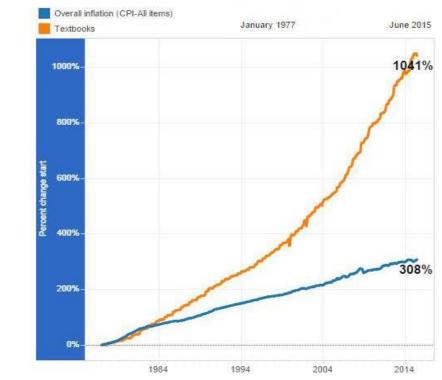
Sources of Open Textbooks



Why Open Textbook?

- Debt is the #2 most common obstacle to students' success in college.
- Textbooks, alongside tuition, housing, meals, are some of the most cited reasons for student debt





able 1: Impact of Textbook Cos	ts (2016 and	2012)
Answer Options	2016	2012
Take fewer courses	47.6%	49.1%
Not register for a course	45.5%	45.1%
Drop a course	26.1%	26.7%
Withdraw from a course	20.7%	20.6%
Earn a poor grade	37.6%	34.0%
Fail a course	19.8%	17.0%
Not purchase the required textbook	66.5%	63.6%
lote: 2016 survey n = 20,557; 2012 survey n = 18	8,587	

Benefits of Adoption

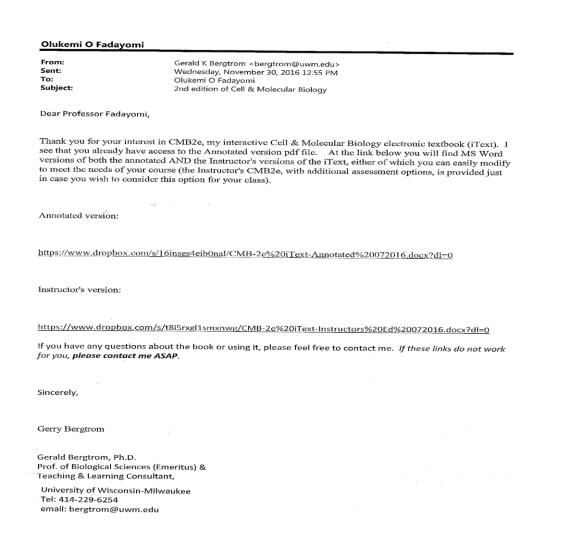
- Reduced cost
- Inexpensive to print copies
- Print copies as needed
- Downloadable free to download
- Every student has the same edition

Case Study: Cell Biology- Biology 373

Textbook Selection

- I reviewed three open textbooks to identify one with the content that was appropriate for a 300 level Cell Biology course.
- Selected Cell and Molecular Biology 2e: What We Know & How We Found Out by Bergtrom, Gerald (2016), University of Wisconsin, Milwakee for further review

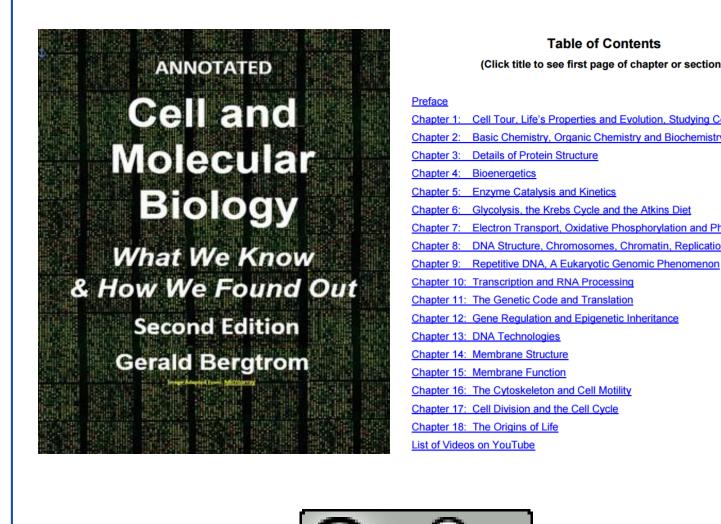
Contacting the Author for Ancillary **Materials**



Soliciting Student Feedback

- Assigned three chapters from the Cell and Molecular Biology 2e: as a supplement to the required textbook in Spring 2017
- Collected student feedback on:
- Quality of the text
- Availability and usefulness of supporting documents

Full adoption for fall 2017





- Comparison of students' performance using OER and non-OER texts
- More student feedback
- Data analysis
- Use data to make necessary improvements
- Share findings with colleagues

Florida Virtual Campus. (2016). 2016 Florida Student Textbook Survey. Tallahassee, FL.

Gates, Garfield (2015). Ten Common Problems Student Face in College. Owlation.com