January 10, 2018

Open Education Collaborations in Higher Education

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Open Education Collaborations in Higher Education

Innovate Symposium
January 10, 2018
Today’s Outline

• Introduction
• Context for Open Education
• UMass Amherst’s Open Education Program
• Faculty Examples
• Best Practices
• Discussion
What are OERs?

- O is for Open – openly accessible
- E is Educational – learning
- R is for Resources – content
- Think Five Rs
  - Reuse - use freely for own purpose
  - Redistribute - share with others
  - Revise - adapt, modify, change
  - Remix - combine / transform
  - Retain: Users have the right to make, archive, and "own" copies of the content
Types of Open Educational Resources

- Open Course Ware
- Online Modules
- Open Textbooks
- Digital Tutorials
- Open Journals
- Streaming Videos
Increase in Textbook Prices

% Increase

OER Barriers for Faculty

- Lack of awareness
- Lack of Time
- Lack of central location
- Lack of ancillary content
- Perceived quality of OER
- Time commitment of support stage
- Getting beyond the “pilot” phase
A Faculty Incentive Program

- Creation of new teaching materials and models
- Use of existing open (free) information resources to support student learning
- Use of library subscription materials
- Development of open technologies
# Faculty Project Types

<table>
<thead>
<tr>
<th><strong>Adopt</strong></th>
<th><strong>Adapt</strong></th>
<th><strong>Create</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace commercial textbook with open textbook</td>
<td>Combine existing OER, library resources, and newly created material</td>
<td>Create entirely new open course materials</td>
</tr>
</tbody>
</table>
Library OER Website

UMass Amherst Libraries

Contact
Scholarly Communication
W. E. B. Du Bois Library
Amherst, MA 01003
(413) 545-6729
jsmith@library.umass.edu

Teaching & Learning
Information Literacy
Custom Course Guides
Request Instruction
Open Education Resources (OER)
  - OER for Educators
  - OER for Learners
  - Open Education Initiative
  - Open Education Events
UNIV 190-L: Demystifying Library Research
Instruction feedback form

Open Educational Resources

What are Open Educational Resources (OER)?
Open Educational Resources are educational materials and resources offered freely and openly for anyone to use and under some licenses to re-mix, improve and redistribute. They include:

- Learning content: full courses, course material, content modules, learning objects, collections, and journals.
- Tools: software to support the creation, delivery, use and improvement of open learning content including searching and organization of content, content and learning management systems, content development tools, and online learning communities.
- Implementation resources: intellectual property licenses to promote open publishing of materials, design-principles, and localization of content.

Why OER?
OER is a relatively new movement in education; educators and learners as well as learning institutions are driving its development. OER provides an alternative to the rising costs of education. For example, in some countries like South Africa, many educators and learners are tapping into OER as the only source for textbooks. OER provides an opportunity to try new ways of teaching and learning, many of which are more collaborative and participatory.

Why Open Educational Resources Matter
Taking a Bite Out of Textbook Costs

During the 2015-2016 academic year at Valencia College in Orlando, Florida, a large portion of the course materials were either provided by the college or were open access. This $10.906 program has served students with $72,000 in costs that would have otherwise been spent on textbook materials.

Chris Hansen, a student of Professor Schlosser, stressed the initiative in a statement: "I didn't have to spend money on expensive textbooks or deal with the stress of finding materials online to keep up with the demands after class started."

Scaling out the success of this program will be needed for courses in the 2015-2016 academic year. Valencia College collaborates with OpenStax on resources for open education resources (OERs), making them available to anyone, anywhere.
Partners Providing OEI Support

Peer-Review by:
TEFD
IT Program faculty
Librarians
Instructional
Innovation

Funding support by:
Provost
Library
IT Program
TEFD
Why Consider OER?

2016 survey of 458 students
Why Consider OER?

Alternatives to Buying Books

- Downloaded a textbook for free: 24.1%
- Shared a textbook with classmates: 32.1%
- Library reserve: 21.2%
- Library ILL: 6%
- Used an earlier edition: 7.3%
- Used a textbook other than the assigned one: 6.4%
- Other (please specify)

2016 survey of 458 students
Faculty Success Stories

Randal Knoper
- English 269: American Literature and Culture after 1865
- Cost Savings to date: $2,660

Miliann Kang
- Women’s Studies 187: Gender, Sexuality and Culture
- Cost Savings to date: $8,475

Hossein Pishro-Nik
- Electrical and Computer Engineering 314: Introduction to Probability and Random Processes
- Cost Savings to date: $25,833
Introduction to Women, Gender, Sexuality Studies

Miliann Kang, University of Massachusetts
Donovan Lessard
Laura Heston, University of Massachusetts
Sonny Nordmarken, University of Massachusetts

Pub Date: 2017
Publisher: Independent

Table of Contents

Unit I: An Introduction to Women, Gender, Sexuality Studies: Grounding Theoretical Frameworks and Concepts

- Critical Introduction to the Field
- Theorizing Lived Experiences
- Identity Terms
- Conceptualizing Structures of Power
- Social Constructionism
Results Since 2011

★ $1.6 million student savings

★ $100,000 invested

★ 7,000 students, 60+ faculty, & over 100 classes impacted
# Total Savings Over Time By College

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<tr>
<th>College of Natural Sciences</th>
<th>5,203</th>
<th>$860,773</th>
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<tbody>
<tr>
<td>College of Social and Behavioral Sciences</td>
<td>1,630</td>
<td>$219,085</td>
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<tr>
<td>College of Humanities &amp; Fine Arts</td>
<td>699</td>
<td>$96,709</td>
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<tr>
<td>College of Engineering</td>
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<td>$169,091</td>
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<tr>
<td>College of Education</td>
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<tr>
<td>College of Nursing</td>
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<td>$17,785</td>
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<tr>
<td>Honors College</td>
<td>187</td>
<td>$7,835</td>
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<tr>
<td>Stockbridge School of Agriculture</td>
<td>275</td>
<td>$51,838</td>
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<tr>
<td>Isenber School of Management</td>
<td>612</td>
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<tr>
<td>School of Public Health and Health Sciences</td>
<td>307</td>
<td>$66,135</td>
</tr>
<tr>
<td></td>
<td>10,793</td>
<td>$1,631,433.25</td>
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Best Practices for OEI

- Library leadership, strengths and services
- Leverage partnerships throughout campus
- Value of mini grants with peer review mechanism
- Meet faculty where they are
- Assessment tools
- Marketing and advocacy
Future Needs and Aspirations

• Sustainability
• Copyediting, proofing expertise
• Assessment of student learning, faculty use
• Advocacy, marketing, publicity
• Engagement by entire state, K-16
• World-wide partnerships
Thanks!

Questions?

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