Building an Online Curriculum Based on OERs: The Library’s Role

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University of Maryland University College
Emerson

“People wish to be settled; only as far as they are unsettled is there any hope for them. Life is a series of surprises. . . .”

ALL UNDERGRADUATE CLASSES WILL REPLACE TEXTBOOKS WITH OERs
Students either . . .

... don’t buy textbooks

... don’t take classes that require expensive textbooks

(Billings, M. S., Hutton, S. C., Schafer, J., Schweik, C. M., & Sheridan, M., 2012)
Savings to our students

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$17,000,000 (UMUC, 2016)
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Feedback Control Systems
Framework for Information Literacy for Higher Education

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PDF Version
OERs (and libraries!) to the rescue

“Historically an advocate for access to information and a key campus player in student learning, academic libraries are a natural partner in OER initiatives and a potentially powerful voice for more affordable learning resources” (Okamoto, 2013, p. 270).
Academic library OER initiatives

UMassAmherst http://guides.library.umass.edu/oer
Academic library OER initiatives

OSU http://osulibrary.oregonstate.edu/oregon-state-university-open-textbook-request-proposal
Library leverage

our expertise:

• searching/discovery
• curating
  • metadata
  • indexing
• digital repositories/libguides
• copyright

(Kleymeer, Kleinman, & Hans, as cited in Walz, 2015, p. 27)
OERs *plus* library resources

Joe Robertson
https://www.flickr.com/photos/16046854@N00/316194679
The No-textbook timeline

Entire Undergraduate Curriculum

2013

Textbooks

2015

No textbooks
The dream team

Academic director

Subject matter expert (SME)

Instructional designer

Librarian
<table>
<thead>
<tr>
<th>Week</th>
<th>Topics/Concepts</th>
<th>Current Textbook Pages/Chapter</th>
<th>Search Terms/Keywords</th>
<th>Potential UMUC Library Resources</th>
<th>Potential Open Educational Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>positive psychology</td>
<td></td>
<td>Martin Seligman</td>
<td>Gale Virtual Reference Library</td>
<td>OpenStax Psychology Textbook</td>
</tr>
</tbody>
</table>

Journal articles to choose from:
- mindfulness AND well being
Library E-book Databases

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Books 24x7

EBSCO E-book Collection

Gale Virtual Reference Library

Oxford Reference

SAGE Knowledge
Revising the librarian’s role

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Searching for library resources *and* OERs
Librarians’ workflow

BIG

TOPIC

many
many
many
many
many
many
many
many
many
many
many
many
many
many
many
many
many
many
many
many
miniscule topics
### OPEN COURSEWARE

- Saylor.org Free Education
- UNU Open Courseware
- OpenCourseWare Consortium
- MIT Open Courseware
- Carnegie Mellon University OLI
- Open Yale Courses
- MyOpenMath
- CosmoLearning
- Currikki
- National Repository of Online Courses
- Sofia
- Stanford Online
- Tufts OpenCourseWare
- Notre Dame OpenCourseWare
- Utah State OpenCourseWare
- OpenStudy
- Peer 2 Peer University

### PORTALS/GATEWAYS

- Creative Commons
- Google Advanced Search
- Find CER | Open Professionals Education Network
- Open Course Library (WSBCTC)
- OER Africa
- Wikieducator Exemplary Collection of Open eLearning Content Repositories
- OER - CC Wiki
- The Orange Grove: Florida’s Digital Repository
- Ithaca College Library
- Open Courseware Directory
- OpenLearn
- Community College Consortium
- Temora
- OCW Search
- AMSER (Applied Meth and Science Education Repository)

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**About**

OpenCourseWare (OCW) is a free and open source of high quality college and university-level educational materials. These materials are organized as courses, and often include course planning materials and evaluation tools as well as thematic content. OpenCourseWare are free and openly licensed, accessible to anyone, anytime via the internet.

- Straight to Open Textbooks
- Community College Consortium for Open Educational Resources

**Subjects**

- Applied sciences
  - Agriculture
  - Biotechnology
  - Building (construction) trade
  - Chemical technology
  - Engineering
  - Planning, development, urban
- Arts
  - Architecture
  - Art, paintings, sculptures
  - Drawing
  - Graphic arts
  - Music
  - Photography
  - Sports, recreation
  - Theater, cinema
- Computer science
  - Linux
  - Software

**Licensing Information**

- CC Attribution-Noncommercial-Share Alike 3.0 License
- Annual membership fee based on location and type of organization (2013--$551). Listing of current US members.
- UMUC is a member of this consortium.
Find OERs

Open Professionals Education Network

https://open4us.org/find-oer/

UMass Amherst Libraries OERs

http://guides.library.umass.edu/oer
E-Resources in the Classroom

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PURLs, access issues, and the dreaded 404 error
E-Resources: Linking to E-Books and Journal Articles

- Note to Faculty: E-Book Collections which Can Be Used for Required Readings
- General Rule for Making Links
- Specific Resources
  - Books 24x7
  - eBooks Collection [EBSCOhost]
  - Ebook Library (EBL)
  - Library
  - Ebsco
  - Gale Virtual Reference Library
  - JSTOR
  - LewisNexis Academic
  - Oxford
  - Project Muse
  - Proquest
  - Safari
  - Sage
  - ScienceDirect

- How to create a link using a DOI
Concurrent and Offline Access

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Single user e-books

Non-printable, non-downloadable e-books
Library E-book Databases

Books 24x7

Ebrary

EBSCO E-book Collection*

Gale Virtual Reference Library

Oxford Reference

SAGE Knowledge
A website does not make an OER.
OERs subject coverage is uneven

Open textbooks do not always exist for upper level and professional programs
Ongoing Maintenance

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Reporting and repairing links

Re-evaluating course materials
Fixing broken links...

...and strengthening liaison relationships
OERs are not static

Re-evaluating OER material to keep curriculum fresh
Lessons learned

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OERs + library resources
Lessons learned

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Embed & download
Lessons learned

Copyright & licensing
Textbook Replacement

Librarians

Students

LMS

Learning Designers

Academic Directors

Subject Faculty

Creative Commons

Copyright

Public Domain

OERs

OpenStax

Merlot

Saylor

.gov etc.

Library Resources

journals

ebooks

subject

encyclopedia

Library Resources

journals
ebooks

subject
encyclopedia

学术

导演

教师

学生

LMS

课程设计

学术

教师

学生

图书馆

资源

期刊

e书

学科

百科全书

图书馆

资源

期刊
e书

学科

百科全书
Recommendations

---

Pilot
Recommendations

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Don’t strive for one-to-one replacements

Create texts and materials
Recommendations

---

Track materials selected for courses
Recommendations

Assessment and analytics

Finding readings in course material

If your assigned readings aren’t available in eReadings or eReserves, they may be integrated into the course content for your class.

To check, click on the Content link in the blue menu bar toward the top of your classroom.

Then click on one of the links for your course material from the menu bar on the left-hand side of the page. In the screen shot below, the Week 1 link was selected.
References


Okamoto, K. (2013). Making higher education more affordable, one course reading at a time: Academic libraries as key advocates for open access textbooks and educational resources. Public Services Quarterly, 9(4), 267-283. doi:10.1080/15228959.2013.842397


University of Maryland University College. (2016, April 12). Town hall meeting.

Thank you!

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