DEMYSTIFYING OPEN EDUCATIONAL RESOURCES

Brandon Muramatsu and Jean Runyon

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Outline

- Howdy y’all
- By the end of the workshop...
- Thinking about OERs differently
- What’s the big deal about OERs?
- The mechanics of OER
- An OER walks into a bar...
- Set them freeee...
- They’re just looking for a good home
- Wrapup
Howdy Y’All

Introductions and Expectations
Expectations

- I know nothing, I expect to learn a lot
- Finding current material (MBA in Sustainability)
- Beg, borrow, steal great ideas
- Started exploring, felt like dove into ocean, so much out there—how to control it, where is the quality
- Developing workshops to help faculty understand some of the newer things to help engage students
- How to find OERs
- Leverage open resources
- Liberal arts degree—resources to support
- Leverage OERs—try not to recreate the wheel, quality for accreditation and transferability
- Faculty culture is to buy courses, find more than what she found on her own
Outcomes

By the end of the workshop...
Workshop Outcomes

☐ Develop a working definition of OERs
☐ Understand the implications and importance of OERs
☐ Take it with you…

How will you adopt, produce, or encourage the use of OERs?
Thinking about OERs differently

What are OERs?

Interactive Exercise
How do you define “Open Educational Resources”?

- Something puts out in the “open”
  - Not contained, not password protected
- Interoperable, use in a number of systems
- Open = “not copyrighted”?  
  - Creative Commons
- Easy to find, reusable learning objects
- Free or low cost
- Available
- Digital, assumed to be online
- Idea generating
- Modifiable
What are Open Educational Resources?
- We’re going to talk about OER writ large.
- We’re not going to bore you with definitions! (Well, we’ll try!)
- We’re not going to get all religious about OERs!
OER: l’innovation du jour?

- We’d like you to think about OER as an entrée to a conversation
  - A conversation about teaching, crafting courses, & sharing course materials
  - A conversation about collaborating with peers and even students

This doesn’t sound like it’s specific to OERs does it?

And, you’re probably already using OERs!
Poll: Do you (or your faculty)...

☐ Talk about courses with peers?
☐ Borrow course materials, teaching techniques, sources?
☐ Share materials back with your peers?
OER is all of these things!

- At it’s heart, OER is about doing these sorts of things!
- And, it’s about encouraging sharing of materials and practices...
- And, it’s **clearly communicating what others are allowed to do with the materials**...
Ok, let’s get a bit more formal
OER: A Definition

**OER** are teaching, learning, and research resources that reside in the public domain or have been released under an intellectual property license that permits their free use or re-purposing by others. Open educational resources include full courses, course materials, modules, textbooks, streaming videos, tests, software, and any other tools, materials, or techniques used to support access to knowledge.

Open Educational Resources (OER) are an important element of an infrastructure for learning.
OERs in the Modern Era

“Open Content”
David Wiley
1998

“Open Educational Resources”
Coined By UNESCO
2002

Open University
OpenLearn
2006

OpenCourseWare
Consortium
2008

Open Course Library
MITx
2011

2001
Wikipedia
Creative Commons
MIT OpenCourseWare

2000s
William and Flora Hewlett
Foundation
Support

2007
Cape Town
Declaration

2009
Open High School of Utah
American Graduation Initiative
& $2B in funding
University of the People

OERs are a part of Open Education

- OERs focus on resources
  - They have been getting a lot of attention at the federal and state levels
  - They are primarily course materials and open textbooks

- Open Education is the bigger concept
  - Sharing, availability and access
What’s the big deal about OERs?

Importance of Open Educational Resources
Importance of OERs

- Cost / cost savings
- Flexibility: mix and match, select pieces, you’re in control
Impact of OERs on Bridge to Success
The mechanics of OERs

Understanding licenses

Demonstration
Poll: When borrowing resources...

☐ Do you look at the license or terms of use?

☐ Do you provide attribution for those resources?
What are you allowed to do?
What might you allow others?

Instead of “All Rights Reserved”
- Can someone else use the materials?
- Can someone build upon or modify the materials?
- Can they use those materials commercially?
- Do they have to share any materials they develop the same way the materials were originally shared?

Do these sound familiar?
THE POWER OF OPEN
Stories of creators sharing knowledge, art, & data.

The stories in The Power of Open demonstrate the breadth and creativity of the individuals and organizations using CC.

Learn more by reading the book!

Mission

WHAT IS CREATIVE COMMONS?
Creative Commons helps you share your knowledge and creativity with the world.

Creative Commons develops, supports, and stewards legal and technical infrastructure that maximizes digital creativity, sharing, and innovation.

License

HOW CAN I LICENSE MY WORK?
There is no registration to use the Creative Commons licenses. Licensing a work is as simple as selecting which of the six licenses best meets your goals, and then marking your work in some way so that others know that you have chosen to release the work under the terms of that license.

Our license-choosing tool can help you select the right license.

Explore

LOOKING FOR CREATIVE WORKS?
Looking for music, video, writing, code, or other creative works?

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  - Add an attribution statement
  - Add metadata to Presentation properties
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**Allow commercial uses of your work?**
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- No

**Allow modifications of your work?**
- Yes
- Yes, as long as others share alike
- No

**Jurisdiction of your license**
- International

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- The author’s **moral** rights;
- Rights other persons may have either in the work itself or in how the work is used, such as **publicity** or privacy rights.
An OER walks into a bar...

Finding and Recognizing OERs

Demonstration / Interactive Exercise
Finding OERs

- How do you find out about them?
  - Talking to peers in your department?
  - Through ITC? Other professional organizations?
  - Looking through digital repositories?
  - Google searches?
Recognizing OERs: Examples

- Flickr (www.flickr.com)
- MIT OpenCourseWare (ocw.mit.edu)
- MERLOT (www.merlot.org)
- OER Commons (www.oercommons.org)
- Open Course Library (www.opencourselibrary.org)
- Wikipedia (www.wikipedia.org)
- Crowd choice (what will it be?)
Pattern

1. Check out the site
2. Search for resources
3. Look at detailed results
4. Review the resource itself
5. Is it an OER?
Have you used Flickr?
Did you know that Flickr allows photo sharers to indicate a license?
And that you can search for Creative Commons licensed photos?
Searching for Openly Licensed Photos

**Advanced Search**

- **Search for**
  - **All of these words**: math
  - **None of these words**: 

- **Creative Commons**
  - **Tip**: Find content with a Creative Commons license. Learn more...
  - **Only search within Creative Commons-licensed content**
    - Find content to use commercially
    - Find content to modify, adapt, or build upon

**SEARCH**

Or, return to the basic search without all the knobs and twiddly bits.
math_homework

I gave Katherine a hand with her math homework.

Comments and faves

⭐ whirlwind added this photo to their favorites. (63 months ago)

⭐ mitt_project added this photo to their favorites. (58 months ago)

⭐ Vicki Davis, coolcatteacher added this photo to her favorites. (51 months ago)
NEWS FEATURE

MITx Enrollment Begins

In December, MIT announced a new online learning initiative called "MITx". Registration is now open for the pilot course, 6.002x Circuits and Electronics.

A DECADE OF OPEN SHARING

On April 4, 2011, MIT celebrated the 10th anniversary of OCW's announcement. Learn more about our first decade of open sharing.

OCW is grateful for the support of:

[Logos for MathWorks and Lockheed Martin]
Learning is Sharing

Recommended Resources

**General Ed and Pre-College Courses:** Use these high enrollment, general education and pre-college courses to lower textbook costs for students, to improve college completion rates, and as frameworks on which to build your own online or blended courses.

**Common Core Aligned Resources:** K-12 educators, see how individual resources align to the Common Core State Standards and add your resource quality ratings and comments.

**Open Textbooks:** Add your review to these free and open textbooks.

**Career and Technical Education:** Explore these vocational open educational resources to build general skills with software programs like MS Word and Excel, plan your career, and develop marketable skills.

**Classroom Management:** Try this great selection for setting the tone and rules for your classroom and intentionally designing classroom life connected to student learning, social skills and behaviors.

**Science as Inquiry:** Teach and learn science by doing active exploration and problem posing.

**Art as Inquiry:** Delve into visualization, creative thinking, and more artistic habits of the mind for arts-integrated learning across disciplines.
Welcome!

The Open Course Library is a collection of expertly developed educational materials – including textbooks, syllabi, course activities, readings, and assessments – for 81 high-enrollment college courses. 42 courses have been completed so far, providing faculty with a high-quality, affordable option that will cost students no more than $30 for course materials.

Our goals:

1. Lower textbook costs for students
2. Provide high quality, open resources for faculty
3. Improve course completion rates

Phase 1 Courses

Our 42 phase 1 courses are now available. All course materials are shared under a Creative Commons (CC-BY) license unless otherwise noted. If you have adopted an Open Course Library course please fill out the Adoption Form.

Phase 2 Development

Our phase 2 courses are currently being developed. They will be available Spring 2013.

Partners & Consortia
Open educational resources

From Wikipedia, the free encyclopedia

Open educational resources (OER) are digital materials that can be re-used for teaching, learning, research and more, made available free through open licenses, which allow uses of the materials that would not be easily permitted under copyright alone. As a mode for content creation and sharing, OER alone cannot award degrees nor provide academic or administrative support to students. However, OER materials are beginning to get integrated into open and distance education. Some OER producers have involved themselves in social media to increase their content visibility and reputation.

OER include different kinds of digital assets. Learning content includes courses, course materials, content modules, learning objects, collections, and journals. Tools include software that supports the creation, delivery, use and improvement of open learning content, searching and organization of content, content and learning management systems, content development tools, and on-line learning communities. Implementation resources include intellectual property licenses that govern open publishing of materials, design-principles, and localization of content. They also include materials on best practices such as stories, publication, techniques, methods, processes, incentives, and distribution.

Contents

1 Other Definitions
2 Aspirations
3 History
4 Some OER Initiatives
5 Licensing
6 Institutional support
7 National and US State Programs
8 Criticism
9 See also
10 References
11 External links

Other Definitions

The following definition of OER has been proposed by the William and Flora Hewlett Foundation:
Audience Choice?
Examples of OERs

- **Flickr** ([www.flickr.com](http://www.flickr.com))
  - Some CC-licensed, find via Advanced Search

- **MIT Open CourseWare** ([ocw.mit.edu](http://ocw.mit.edu))
  - One of the granddaddy’s of OERs, CC-by-nc-sa

- **MERLOT** ([www.merlot.org](http://www.merlot.org))
  - Wide range of resources, complex licensing

- **OER Commons** ([www.oercommons.org](http://www.oercommons.org))
  - Wide range of resources, nearly all CC-licensed

- **Open Course Library** ([www.opencourselibrary.org](http://www.opencourselibrary.org))
  - Open Textbooks, 42 published, more coming, CC-by

- **Wikipedia** ([www.wikipedia.org](http://www.wikipedia.org))
  - Probably the biggest OER, support for attribution
Discussion Questions

- What makes a site an OER?
- Did any of the sites surprise you?
- What features make some sites better than others?
OER Smörgåsbord

- OER as a conversation:
  Sharing, access, materials, practice

- OER as a continuum

Individual Images

Standalone Modules

Course Materials
- Open Textbooks

Whole Courses
- Open Course Library
- OpenLearn
- Saylor
- B2S Courses

Flickr
Selected additional resources

- Bridge to Success (shameless plug), b2s.aacc.edu
- CK-12, www.ck12.org
- College Open Textbooks, www.collegeopentextbooks.org
- Community College Consortium for Open Educational Resources, www.oerconsortium.org
- Flat World Knowledge, www.flatworldknowledge.com
- Kaleidoscope Project, www.project-kaleidoscope.org
- Open High School of Utah, ocw.openhighschool.org
- Open University OpenLearn, www.open.edu/openlearn
- P2PU, www.p2pu.org
- Saylor Foundation, www.saylor.org
- WikiEducator, wikieducator.org
Producing OERs

Demonstration
Let’s make an OER

☐ Apply license, citation, metadata
☐ Share the presentation via Slideshare
Open Learning: Bridge to Success

Student readiness for college is of great concern at the local and national levels. Open access to high-quality educational materials will increase the number and diversity of adults who are
They’re just looking for a good home…

Adopting OERs

Interactive Exercise
Your turn to adopt an OER

- From a course you teach, or one that you’ve helped a faculty member with...
  - What’s an area for which a learning resource might help explain something, improve student understanding, etc.?
  - Look for a resource that’s an OER that might meet your needs.
  - Describe the problem and the OER to the workshop.
Wrap-Up

Revisiting Outcomes

Interactive Exercise
Outline Revisited

☐ By the end of the workshop...
☐ Thinking about OERs differently
☐ What’s the big deal about OERs?
☐ The mechanics of OER
☐ An OER walks into a bar...
☐ Set them freeee...
☐ They’re just looking for a good home
Workshop Outcomes

- Develop a working definition of OERs
- Understand the implications and importance of OERs
- Take it with you... How will you adopt, produce, or encourage the use of OERs?
Discussion of OERs

- It *is* an ocean!
- Conversations: more than materials, opportunities for sharing and learning together
- Parameters under which you have to work, it’s a system
- This should be part of what we do when we work with faculty to publish courses
Why are OERs Important?

- Because...???
What are some of the challenges?

- Accreditation issues: faculty responsible for creating materials, and teaching and ensuring student learning outcomes
- Document success, have metrics
- Make sure we serve our students
- Using modern tools and techniques -> transform faculty practices? Brown-bag lunches, faculty development
Contact Us

Brandon Muramatsu, MIT

- mura@mit.edu
- @bmuramatsu

Jean Runyon, AACC

- jmrunyon@aacc.edu