Transforming Library Services in a Time of Rapid Scholarly Communication Change

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Today’s Outline

- Introduction
- Scholarly Communication: Library Roles
- New Models and Partners
  - Institutional Repositories
  - Open Access Journals
- Digital Library Structure at UMass
- Open Educational Resources
Scholarly Communication
Library Roles

- Research and scholarship in digital form
- Library role as steward of scholarship
- Collect and preserve digital material
- Organize, provide access to information
- Commitment to long-term preservation
- Copyright, fair use, author rights, OA
- Information and digital fluency
Scholarly Communication: New Models

- **Institutional Repositories**
  - Unified open access to and preservation of the electronic collections of works of members of the institution’s community

- **Open Access Journals**
  - Journals available at no cost to end user
  - May or may not be refereed

- **Open Education Resources**
Contributors & Partners

- Faculty, researchers
- Honors students, undergraduate research
- Archivists and Librarians

- Academic Offices
  - Provosts Office
  - Office of Research, Sponsored Programs
  - Office of Outreach, Cooperative Extension
  - Graduate School
Anthropology

The Department of Anthropology was established in 1969. At the University of Massachusetts Amherst, the Anthropology Department is a four-field program, each concerned with one of the main branches of Anthropology: Archaeology, Biological Anthropology, Cultural Anthropology, and Linguistic Anthropology.

Browse the Anthropology Collections:

Anthropology Department Archaeological Projects

- Archaeology at the W.E.B. Du Bois Boyhood Homesite

Anthropology Department Dissertations Collection

Anthropology Department Faculty Publication Series

Anthropology Department Faculty Selected Works pages

Anthropology Department Field Program in European Studies

- Selected Works pages of EFS Faculty
- Selected Publications of EFS Faculty, Students, and Alumni
- Dissertations and Theses based on EFS-sponsored field research
- Final Reports of EFS student participants
Community Engagement

Community Engagement in higher education is defined by the Carnegie Foundation for the Advancement of teaching as "Collaboration between higher education institutions and their larger communities for the mutually beneficial exchange of knowledge and resources in a context of partnership and reciprocity."

At UMass Amherst, Engagement creates unique opportunities for scholars to pursue teaching; research, creative or professional activity; and service in ways that benefit their discipline, our institution and our community partners.

Read more here

Community Collaborators & Partners

Browse the Community Engagement Collections:

Cranberry Station

Design Engagement Studios

Ludlow Master Plan
Cranberry Station Outreach and Public Service Activities

Cranberry Production Guide

Cranberry Station Best Management Practices Guide

Cranberry Station Best Management Practices Guide - 2010 revision

Cranberry Station Extension meetings
Conference on Cellulosic Biofuels

Organized by The Institute for Massachusetts Biofuels Research (TIMBR)

Those interested in the Commonwealth’s developing biofuels industry are invited to participate in the annual Conference on Cellulosic Biofuels. The conference is hosted by The Institute for Massachusetts Biofuels Research (TIMBR) at the University of Massachusetts Amherst. TIMBR is a growing interdisciplinary research group focused on expanding biofuels research on the Amherst campus and enabling translational research through strategic partnerships between academia, industry, and state and federal government (www.ecs.umass.edu/timbr).

During the conference you will hear about the latest developments in biofuels research, learn about the opportunities that lie ahead for biofuels in the region from state policy makers, and connect with others from industry, academia, and government who are eager to expand their network of partners and collaborators in the biofuels industry. Topics covered will include emerging research in catalytic and microbial routes to biofuels, the Massachusetts biofuels industry, and more.

Click here to see the 1st Annual Conference on Cellulosic Biofuels, 2008

Browse the contents of Conference on Cellulosic Biofuels:
Welcome to Rasenna: Journal of the Center for Etruscan Studies. This site includes the current issue of Rasenna, an archive of earlier issues, Guidelines for Contributors, and information about the composition of the Editorial and Advisory Boards.

For more information about Rasenna and the Center for Etruscan Studies please contact Anthony Tuck or Rex Wallace.

**Current Issue: Volume 2, Issue 1 (2009)**

**Book Reviews**

- PDF  
  Review of Giovanni Colonna & Daniele F. Maras, Corpus Inscriptionum Etruscarum II, 1, 5 et addit. II, 2, 1  
  *Rex E. Wallace*

- PDF  
  Review of Vedia Izzet, The Archaeology of Etruscan Society  
  *Eric Poehler*

**Notes or Reports**

- PDF  
  Italian Prehistory and the Emergence of the Civic Museum  
  *Elisabetta Cova*

- PDF  
  The Conundrum of the Workshop OR Etruscan Utilitarian Ceramics: A Compositional Analysis  
  *William Gilstrap and Anthony Tuck*
UMass Institute for Global Health

The IGH conducts collaborative research projects designed to develop effective programs and policies to alleviate pressing global health problems and provides a range of educational opportunities for US and international personnel seeking advanced training in the global health issues.

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Browse the UMass Institute for Global Health Collections:
UMass Institute for Global Health Community Education and Outreach
My recent work has focused on Harmonic Serialism, a derivational version of
Optimality Theory that appears to have several significant advantages over the parallel
version.

1977

1979

1980
Faculty Roles and Open Access

- Faculty Roles
  - Authors
  - Peer-reviewers
  - Editors

- Open access options
  - Creative Commons licenses
  - SPARC addendum

How are faculty going to address these new roles and potential responsibilities?
Challenges

- **Perception of faculty members**
  - What value is there in publishing in open access journals?
    - Impact on tenure and promotion?
    - Potential problems with author pays financial model?

- **Copyright Issues**
  - Who owns the copyright to works published in an open access journal?
  - What can a faculty member do to preserve the right to post a previously published work to an open access journal?
Scholarly Communication is an umbrella term that describes the many ways in which scholars and researchers share their work:

- Publishing in print and electronic journals
- Archiving their work in digital repositories or on subject-specific websites
- Using email listserv mailing lists and online communities
- Creating new venues for dissemination, especially online

Currently, the field of scholarly communication is undergoing major changes, as open access and copyleft philosophies have begun to impact scholars’ attitudes about sharing their work in a major way.
Digital Libraries Organization
Diagram showing an organizational structure with sections for Digital Strategies Group, Digital Creation and Preservation, Metadata, and Data. Below this, there are collections sections for SCUA, Schol Comm, Image Coll Lib, and Science Lib. The infrastructure & access sections include Fedora, Digital Commons, Luna, and Eprints, among others.
Metadata Working Group

- Coordinate campus metadata services
- Designate and train library staff responsible for metadata services and cross collection metadata efforts
- Make OAI-PMH a required function when choosing a new digital asset management system
- Configure all open access collections to be OAI-PMH enabled to the extent that our digital asset management systems will allow and make publicly available the corresponding OAI URLs.
Data Working Group Infrastructure

- Mediate data deposition into institutional, disciplinary, or third party repositories for faculty

- Establish relationships with OIT, the Office of Research, and other entities on campus invested in the research enterprise with the goal of developing institutionally endorsed platforms and policies for data management on campus

- Understand high capacity and/or cloud storage, networking, and security issues and recommend cost efficient solutions to faculty researchers
Data Working Group Consultation

- Coordinate an ongoing training program on data management for the campus community
- Serve as a formal liaison to the Office of Research, the Graduate School, and other institutional entities invested in the research enterprise
- Recommend and assist with data deposit into institutional, disciplinary, or third party repositories for faculty
- Develop in-house expertise in data management
- Coordinate a comprehensive consultation program, extending beyond data management plans to include all the services that would enable best practices for data management on campus
Data Working Group
Education

- Improve existing educational resources (ie: research toolkits)
- Create high value workshops
- Participate in hands-on data management training.
Digital Creation and Preservation Working Group - Infrastructure

- Offer digitization services to the campus community on a selective basis, digitizing materials that the Libraries determine to be desirable additions to our digital collections.
- Provide infrastructure to support long term digital preservation for the UMass Libraries’ digital collections.
- Provide infrastructure to support long term digital preservation for campus sponsored digital projects after above has been implemented
Digital Creation and Preservation Working Group - Consultation

- Offer one-on-one project-specific consultation services on digital creation issues for new Library digital projects and for campus sponsored digital projects
- Offer ongoing consultation support for Library and campus-sponsored digital projects when questions or issues arise.
- Offer one-on-one consultation services on practical digital preservation techniques for Library and campus sponsored digital projects
Digital Creation and Preservation Working Group - Education

- Hands on training in digital technology for both new and existing Library staff to involve them in
- On-going work of digitizing unique and valuable analog collections
- Provide training for both new and existing Library staff on best practices for digitizing materials
- Offer general education to the campus community about topics of digital creation
- Offer general education to the campus community about digital preservation
Open Educational Resources

- Educational materials and resources offered freely and openly for anyone to use and under some licenses to re-mix, improve and redistribute
- Both teachers and learners can share what they know

- UMass Amherst Open Education Initiative
Timeline

- SPARC call March 2011
- Consultation
  - University Libraries
  - Provost’s Office
- Development of Grant Process
  - Call for Proposals March 31-April 30, 2011
  - Peer Review
  - Award May 6th
- Implementation Fall 2012 – Spring 2013
Education

- Workshop for Subject Liaisons 4/14/11
  - Goal of OEI
  - Roles for Liaisons

- Workshop for Faculty 4/27/11
  - Goals of OEI
  - Partners – Teaching Commons: Library, Academic Computing, Office of Faculty Development
  - Creative Commons, Copyright, Fair Use
  - Demonstration of Resources
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.

Open Educational Resources include:
- Learning content: full courses, course material, content modules, learning objects, course tools, games, simulations, etc.
- Teaching tools: lecture notes, exams, study guides, syllabi, etc.
- Assessment tools: assignments, rubrics, grading guides, etc.
- Support tools: handouts, FAQ, glossaries, etc.

Additional Resources
- Types of OERs
- Open Educational Resources from Athabasca University
  Open Access Week - AthabascaU on Vimeo.
Community College Consortium for Open Educational Resources

Shared Knowledge

When educators pool their expertise to create a culture of shared knowledge, everyone benefits. Use of free and open textbooks can lower educational costs for students. Become involved with the open educational resources (OER) movement so that doors to higher education stay open to all. For the latest information, check our blog and follow us on Twitter.

The Community College Consortium for Open Educational Resources (CCCOER) is a joint effort by the OER Center for California, Foothill-De Anza Community College District, the League for Innovation in the Community College, OCW Consortium and many other community colleges and university partners to develop and use open educational resources (OER) and especially open textbooks in community college courses. We now have over 200 members of the OER Consortium. For more details, see the It Takes a Consortium to Support Open Textbooks article in the January/February 2009 issue of Educause Review magazine.

♦ Read about CCCOER’s Path Forward in 2011
(click here)

CCCOER Quarterly Meeting on Feb. 27th at Innovations 2011 was a great success.

Read Una Daly’s post about the meeting: Feb 27 CCCOER Quarterly Meeting: Great Information Exchange
Welcome to College Open Textbooks!

Funded by The William and Flora Hewlett Foundation, College Open Textbooks is a collection of colleges, governmental agencies, education nonprofits, and other education-related organizations that are focused on the mission of driving the awareness and advocacy for open textbooks. This includes providing training for instructors adopting open resources, peer reviews of open textbooks, and mentoring online professional networks that provide support to authors who open their resources. Through our community outreach, we have found that open textbooks should be:

- easy to use, get and pass around,
- editable so instructors can customize content,
- cross-platform compatible,
- printable,
- and accessible so they work with adaptive technology.

That's just the short list.

Help us shape and continue to define what open textbooks turn out to be. Your voice will help create open textbook standards and guide development. We'll keep you informed about the latest developments.
Proposal development

- Basic course information
- List current textbook(s) and cost, plus number of students
- Narrative (500 words)
- ID alternative sources - workshop, liaisons
- Evaluation of course – outcomes, value of alternative resources, sustainability
- Anticipated start date - Fall 11/Spring 12
Award Winners

- Disciplines:
  - Agriculture
  - Animal Sciences
  - Anthropology
  - Art History
  - Chemistry
  - Civil Engineering
  - Communication
  - Education
  - Geosciences
  - Management
  - Natural Resources Conservation
  - Sociology
  - Public Health
  - Women’s Studies
  - Statistics
Transforming Librarian Roles

- Nexus of communication
- Create strategic partnerships
- Promote Open Access initiatives
- Curate digital materials
- Provide expertise on metadata, author rights, usage rights, etc
- Expand liaison role with faculty
- Provide education and workshops
Questions / Discussion

- http://www.library.umass.edu/learningcommons/
- http://www.library.umass.edu/teaching-commons
- http://www.library.umass.edu/about-the-libraries/digital-initiatives/
- http://guides.library.umass.edu/scholarlycommunication
- http://guides.library.umass.edu/oer
- http://guides.library.umass.edu/datamanagement