Connections at Boise State University: New Core Curriculum, B Mobile and the Library

At Boise State University a new core curriculum was introduced in the Fall 2012 semester. The University has also embarked on a strong mobile learning program which supports faculty members embedding the use of mobile devices like iPads in their courses. This lightning talk will introduce the Library connection between these two developments; in addition, selected changes in core curriculum expectations for upper undergraduate engineering degree requirements will be presented.

Beth Brin, Boise State University

Undergraduate Research Mentorship

Miami University has established a First Year Research Experience (FYRE) program to foster learning experiences that will increase learning outcomes and promote student retention. I would like to talk about my role as a FYRE project mentor and as a member of the related faculty learning community. My participation as a mentor involved introducing the students to the technical literature and guiding them through the reading experience as a part of the design cycle process.

Jim Clarke, Miami University

E-Book Statistical Analysis: Lessons Learned

A preliminary study has been done at a large university library system to examine e-books statistics from selected vendor statistics matched with library catalog records. The library prefers MARC records with LC classification since it gives the best opportunity to study the content distribution of the e-books and study how clients in some disciplines may use e-books more than others. LC Classification provides libraries with a possible method to identify specific subject-related e-books for clients. The lightning talk will discuss methods used, difficulties encountered, and lessons learned.

Charlotte Erdmann, Purdue University
Cool, Calm and Collaborative

In the spring of 2010, Wendt Commons Library embarked on a project to repurpose our 4th floor from book stacks and study space into a Teaching an Learning Center (see: Dim, Dark and Daring: Our process for rapidly reducing our collection). We have partnered with several other campus units in order to make our new space work for everyone that uses the building. This will provide a brief look into how we share our space, and what a typical day on the 4th floor of Wendt Commons is like.

Anne Glorioso, University of Wisconsin-Madison

"Distance Learning" at USC Viterbi School of Engineering, with a special development in "IPodia Global Program"

Najwa Hanel, University of Southern California

3 Ways for Libraries To Engage with STEM Disciplines

This lightning talk will expose participants in 3 ways to engage with the STEM Disciplines. Despite the focus on STEM disciplines, there is little discussion about how support units can be involved. This talk will give one example each of how to partner within the University, outside the university, and regionally.

Nastasha Johnson, North Carolina A&T State University

Tool Library

This year we have added a new type of resource to be checked out of the library. Tools! This includes screwdrivers, calipers, sound meters, tape measures, etc.

Kari Kozak, University of Iowa Libraries

User Space Improvements at Virginia Commonwealth University

Virginia Commonwealth University (VCU), located in the middle of Capital City, Richmond Virginia, has been struggling with space issues for several years. In 2010, we made a drastic move to address the problem by moving bound journals located on the second floor to off-site storage and constructing the Learning Commons in the space. Other space initiatives have been taken since then and the construction of a new building is looming. This presentation is to share our journey to achieving optimal user space.

Ibironke Lawal, Virginia Commonwealth University
Empowered by Information: A Library Video & Writing Contest

The instruction and learning librarians at Michigan Tech are conducting a contest in which students submit video or written testimonials about how library information resources have helped them succeed, with cash prizes awarded for the top three submissions in each category. In contrast to many library video contests that ask students to share what they love about the library, our contest aims to discover students’ perceptions about the value of library resources to their academic, personal, or work lives. We plan on using the testimonials we gather as examples to students in our information literacy classes as well as for library promotional purposes.

*Sarah Lucchesi, Michigan Technological University*

Helping Engineering Students Build Solutions: Hand Tools in the Library

Hand tools are a basic need of every engineering student. Tools kept in shared spaces often drift to unknown and forgotten places. Libraries have the systems in place to check out, track, and check in materials. Extending this system to hand tools is an exciting new project at Olin College that the 2012 senior class helped fund.

*Dee Magnoni, Olin College of Engineering*

Trick or Treat: Predatory and Questionable Publishers

Predatory publishers use deception practices to earn money. They prey on unsuspecting scholars who are desperate to get published by charging high authors fees which are not disclosed in their web pages. Many of these journals appear in our catalog’s through DOAJ record loads, should we include or suppress them?

*Jill Powell, Cornell University*

Engineering Design the Library

University of Toronto’s Engineering & Computer Science Library became "clients" for a group of students in the first-year Engineering Strategies & Practice course in January 2013. The students use the engineering design process to redesign the library space when duplicate journals were moved to off-site storage. The design solutions that were proposed brought both a student and engineering perspective to the problem and featured innovative uses of the space.

*Michele Spence, University of Toronto*
Teaching in a Scale-Up Classroom

The Scale-Up Classroom (Student-Centered Active Learning Environment for Undergraduate Programs) in Virginia Tech’s Newman library consists of eight round tables each seating nine students, with an adjacent 70 inch monitor for each table. How does a librarian prepare for a collaborative class of fifty students, consisting of ten teams, with research topics ranging from locking bone screw plates to rain drop energy harvesting by piezoelectric materials?

Larry Thompson, Virginia Tech

Here’s CELT!

This talk will present an overview of the Critical Engineering Literacy Test (CELT) developed at Purdue University to provide a quick, inexpensive test of information literacy skills focused on science and engineering information use. The talk will present the test, how it can be used at institutions other than Purdue, grading and data provided after use, and the benefits to both ongoing CELT development and validation.

Amy Van Epps, Purdue University

Coffee + Collaboration @ the Hazy Library

Four years after the new Hazy Library & Learning Center was built, ERAU administrators finally agreed in 2012 to fund a long-anticipated coffee shop (it was value-engineered out of the original blueprints prior to 2008). The previous summer, a collaboration between an aviation business liaison librarian (me!) and the faculty member resulted in my mentoring her consulting class for an 8-week summer project - a primary research study analyzing student knowledge of and use of library resources, and generation of new ideas for how to better promote its use. This talk will: 1.) Describe the research study findings, and, 2.) Show how librarians are using the ideas generated to brainstorm new library programs and activities.

Patricia Watkins, Embry-Riddle Aeronautical University
First-Year Composition for Engineers: An Opportunity for Collaboration

The University of Mississippi introduced first-year composition classes designed for only engineers several years ago and through collaboration between one instructor for this course and the engineering librarian, wikis (using PBWiki as a pilot this semester) have been introduced not only as a tool for students themselves to collaborate, but also as a method for creating an audience outside the course instructor. Students are conducting system analysis projects and uploading all project material (literature review, fieldnotes, and final report) to the wiki, which will persist for future freshman engineering composition students to view, and if they choose, to use as source documents as they continue the project. In the lightning talk, I will discuss the pilot project, improvement opportunities identified by myself and the course instructor, and implications/uses for information literacy.

Brian Young, University of Mississippi

New Taxonomy part of ASTM Standards and Engineering Digital Library (SEDL)

ASTM is implementing a new taxonomy which will guide users to select categories and filter search results. The additional refinements will increase the relevance of hits significantly and enhance discoverability.

George Zajdel, ASTM International