Technology in Education Showcase 2008

Offered by Educational Technology & Faculty Development

Rosalind Franklin University of Medicine & Science

Presenters: Anne Baker, Christopher Brandon, Jim Carlson, Marilyn Hanson, Ron Herbig, Lynn Janas, Rick Loesch, Lillian Mundt, Kevin Robertson, Melanie Shuran

List of Presentations

For more information on any of the technologies listed here, please contact Educational.Technology@rosalindfranklin.edu

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A "Second Life" for the Virtual Classroom

A brief look at Second Life

Second Life is a 3-D virtual world that some universities are utilizing to enhance distance education and offline discussion groups. By setting up a virtual campus and having students appear as characters (avatars) that interact with each other, isolated students can build a better sense of community and connection to campus life.

Kiosks were available to let showcase attendants test drive the virtual environment and visit a few selected highlights of other universities.

Presented by: Rick Loesch/Information Technology

"Will You Loansome Doc Tonight?" Fundamentals of Interlibrary Loan (ILL)."

This presentation answered frequently asked questions about interlibrary loan, including:

- What is interlibrary loan?
- How does it work?
- Why do I have to pay for some interlibrary loans, but not others?

Also discussed was copyright and the National Commission on New Technological Uses of Copyrighted Works (CONTU) guidelines and their effect on ILL. RFUMS status as a Resource Library for the National Network of Libraries of Medicine (NN/LM) was also covered. Finally, technological advances in ILL, such as the Ariel software system, was presented.

Presented by: Kevin Robertson/Learning Resources

Capturing Screen images using FullShot

Inbit's FullShot program is used to capture screen images. It is a great alternative to the print screen method and can be used to take shots of specific regions of a screen, a complete document or just a window. These images can be used to develop training documents or to convey important information when a written description is not enough.

Rosalind Franklin University has an enterprise license, meaning it's open to anyone in the university, so getting a copy is as easy as opening a help desk ticket. This presentation showed participants how easy and fun it is to use FullShot.

Presented by: Marilyn Hanson/Educational Technology

Changing the size of images keep proper perspective without distortion

This presentation taught the tools in common graphic applications to reduce the image size and resolution for your output use. Some of the fundamental concepts shown were image size requirements, resolution, color space, and bit depth. The techniques were demonstrated using Photoshop, MS Paint, and Photoshop Elements

Presented by: Ron Herbig/Educational Technology

D2L features enhance the nutrition portfolio learning experience

Students in the Master of Science in Nutrition degree program complete an online portfolio course as the final degree requirement using the D2L e-learning platform. Key D2L features used in the course include the Dropbox, Checklist, and D2L e-mail.

The purpose of the portfolio evaluation course is for the student to demonstrate a mastery of competency domains emphasized in the degree program (nutrition knowledge, teaching nutrition information, critical inquiry and research, technology, and professional communication). Students meet specific learning objectives by completing portfolio projects. Using the Dropbox, students submit projects to showcase skills acquired during the degree program.

The Feedback feature of the D2L Dropbox is used to facilitate a faculty review and approval process. Students also use the dropbox to submit an assessment and reflection on each project, introduction and conclusion statements, and an updated resume. Students use the D2L Checklist to verify that all course requirements have been completed. D2L e-mail is used for communication between students and faculty.

A team of four members of the Department of Nutrition advises students during the course. The portfolio is presented by teleconference to a faculty review committee using a Power Point presentation.

Presented by: Dr. Lynn Janas/Nutrition

EBSCO A to Z

EBSCO's A-to-Z is the new, browse-and-search interface for all of the Boxer Library's electronic resources. A-to-Z provides a comprehensive list of titles with access information right at our users' fingertips while providing keyword searching and alphabetical title or subject-based browsing. A-to-Z was demonstrated to attendees of the ET Showcase before opening it up to the rest of the University community

Presented by: Anne Baker/Learning Resources

Effective team assessment and debriefing using SimCube technology

High fidelity medical simulation offers the potential for effective team training and clinical skills development. However, best practices in medical education demonstrate that while participation in the simulation itself is important, debriefing and guided feedback to trainees results in the most effective learning. Thus, it is not enough to provide simulation, immediate and highly specific feedback to participants must also be provided to maximize the learning process.

The EEC has been established as a pilot site for SimCube technology; an audiovisual and data capture device that allows for rapid recording and dissemination of team performance data during medical simulation. In teams, medical trainees participate in simulated training events that require them to utilize medical knowledge, clinical skill, and teamwork to make patient care decisions in real time. The SimCube records audiovisual as well as simulator based data for review during or after the training event. Performance can be rated using measurement tools and A/V data can be easily bookmarked for quick recall and discussion. The purpose of this demonstration was to highlight the key features of SimCube technology and how it is being utilized to improve student performance at RFUMS.

Presented by: Jim Carlson, Thad Anzur, Glenn Villaluz and Dr. John Tomkowiak/Education and Evaluation Center

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Effective use of D2L tools can enhance the online learning environment for students and faculty

Teaching and learning online are time intensive activities. However, Desire2Learn, the University's learning management system, offers many features that work together to make time spent online more rewarding and efficient, while enhancing communication and learning. Among these tools are the course calendar, checklist, content, discussions, and conditional release. You are invited to learn how the use of these tools can minimize time spent in course setup; automatically linking checklist items with course calendar postings; keeping current course content and discussions displayed at the top of the list for ready access without scrolling; and using conditional release to set up your entire course before the quarter begins, gradually releasing information to students as the quarter progresses to keep them on target and on topic.

Presented by: Dr. Melanie Shuran/Learning Resources

Online tools for collaboration

Several new on-line services can facilitate group interaction and communication.

1) Wiki. To create a wiki, one simply connects to a commercial wiki service (e.g. www.pbwiki.com), provides a valid e-mail address, and a name for the new site. The site starts as a blank page, to which the group members can then add content. Members of a wiki group can open the wiki site in

any browser, from any computer, and can edit its contents; those changes then become part of the site. Since all group members edit the same site, everyone has access to the most recent version.

2) GoogleDocs. Google hosts a service that permits on-line document creation, in the form of text documents, slide presentations, or spreadsheets. As with a wiki, a GoogleDoc exists as a single copy, editable by anyone with the address and password.

Both approaches offer significant advantages over e-mail collaboration, which generates multiple copies of documents with different version times and dates, making synchronization difficult.

This presentation will demonstrate and compare these and other on-line document collaboration services.

Presented by: Dr. Christopher Brandon/Department of Cell Biology and Anatomy

Scanning Techniques

You have an original printed letter that needs to be sent by email, or a stack of old documents that need to be edited but you don't have the original files. Maybe you need to add a picture to a document but you haven't a clue what to do. Learn the important parameters about scanning and why there is a difference between scanning pictures and text documents, different solutions will be presented using common scanner interfaces. We will also discuss Optical Character Recognition (OCR) software which might be effective in eliminating the retyping of old documents.

Presented by: Ron Herbig/Educational Technology

Stat!Ref e-Textbooks Demo

STAT!Ref

STAT!Ref is an online, cross-searchable healthcare reference that integrates core titles with evidence-based resources and innovative tools in one site. STAT!Ref offers quintessential titles from a wide variety of publishers and medical societies and is updated seamlessly when critical medical information becomes available. The Boxer Library currently subscribes to nine text books and one point-of-care database through this resource. Some common searches and tips for using this reference to its full potential were demonstrated.

ACP's PIER [STAT!Ref]

ACP's Physician's Information and Education Resource (PIER) was named as the leading evidence-based medicine point-of-care tool in a study presented at the South Central Chapter MLA meeting. Other products in the evaluation included Up-To-Date, eMedicine and InfoPOEMS. The study rated PIER highest in all four categories of the evaluation (general information, content, searching ability, and results); How to use the database to conduct research in the latest medical literature, as well as utilizing its powerful point-of-care focus for clinical queries was demonstrated.

Presented by: Anne Baker/Learning Resources

The power of multimedia: Using iTunes University to enhance student learning

iTunes University (iTunes U) was released to the University for the winter quarter of 2007 as an option for distribution of lecture and non-lecture video and audio files. You can request that iTunes U component be added to your existing D2L course by selecting it as an option on the D2L Course Shell Request (CSR) form, however there are several requirements that must be met before you can access iTunes U.

Participants learned what to do to get the iTunes U component added to their D2L Course. They also had the opportunity to practice uploading content into a sample iTunes U course.

Presented by: Marilyn Hanson/Educational Technology

Useful software that's also free!

Some very useful software tools are free! This presentation will demonstrate free programs for:

1) Outlining and organizing lectures, quizzes, manuscripts, web pages, and general work flow (Freemind, Notecase, Treepad);

2) Editing and/or organizing digital images (Gimp, MTPaint, Irfan-View);

3) Just about any aspect of document creation, using a free, full-fledged office suite (Open-Office);

4) Editing web pages without knowing html (Kompozer); and

5) Recording lectures with audio and video, by capturing the screen of the computer (Camstudio).

Presented by: Dr. Christopher Brandon/Department of Cell Biology and Anatomy

Using PowerPoint Jeopardy-style reviews for engaging students' participation in class

According to Barkley, Cross, and Major (2005, p xi), "Meaningful and lasting learning occurs through personal, active engagement." PowerPoint Jeopardy-style reviews provide the opportunity for engaging students in class and promoting collaborative learning. Teams of students discuss the course-related question (or in the case of Jeopardy, the answer) and generate information and ideas in a short period of time to aid in answering the question. Before the correct answer is revealed, a whole-class discussion can take place about the topic. Using the Jeopardy tool in this manner is similar to the use of "buzz groups" (Barkley, Cross, & Major, 2005, p 112) that allow for enhancement of student individual learning.

Presented by: Dr. Lillian Mundt/Department of Clinical Laboratory Services