The Scholarship of Teaching & Learning: Making 'IT' Matter

UMASS INSTRUCTIONAL TECHNOLOGY CONFERENCE · 2008

POSTER DEMONSTRATIONS (April 11, 11:30 – 1:30)

PD01-G-UMMS Optimizing Learning From Rich Multimedia Objects Using Micro PCs (Billings-Gagliardi, Zottola, Mazer, Baron): This project explores how rich multimedia learning objects deployed on micro personal computers (mPCs) may be used to benefit medical student learning. Its goal is to develop technical and pedagogic recommendations for best uses of this emerging technology that are based on both faculty and students perspectives.

PD02-UMA Using Synchronous Online Learning Tools to Promote and Assess Student Learning (Hamilton, Sullivan, Deschamps, Vargas, Wilson, Sindelar, Alessio, Zhu): This project explores the how different synchronous online discussion formats can be used to promote and assess student learning. Our synchronous discussion formats included traditional text chat (Yahoo Messenger), text chat supported by the provision of visual images (IChat) and participation in a multiuser virtual environment (Active Worlds).

PD03-UMA Instructional Technology with a Human Face (Caffery): "Making IT Matter" is the specific focus of this presentation. Inspired by Web 2.0 and critical analysis of IT, a course was redesigned to use technology precisely to humanize the learning experience, most significantly by incorporating community service learning in blended IT learning environment. Likewise, audience input here is encouraged.

PD04-UMB Using IT to Assess Student Merits – Facing Up to Standardized Testing (D'Alotto): I will demonstrate an online approach to standardized testing preparation for the Massachusetts Teacher Exam for Licensure. The target population consists of Early Childhood educators who are being serviced by Boston Ready, a federally funded professional development grant. Results, experiences, changes and an actual demonstration of the learning modules and structure will be included.

PD05-G-UMA Utilization of Digital Video Recorders and DartFish Software for Student-Athlete Development and Coaching Education (Deitz): This poster presentation demonstrates the use of Digital Video Recording as a teaching aid in the sport of rowing. Different techniques for editing and analysis of new software (DartFish) not only can benefit the student-athlete, but also can enhance the professional development of coaches.

PD06-G-UMA Teaching Writing in a Digital Age (Fleming, LeCourt, Bradshaw, Dich, Houle, Howes, Miller, Paster): Teachers in the Writing Program's Technology Fellows seminar will present the results of new media assignments they designed for our first-year writing course. Student work will be on display and Fellows on-hand to discuss the effect of the new media assignments on student writing and technological literacy.

PD07-G-UMA Curriculum Mapping in Educational Administration: Enhancing Professional Practice Through the Use of Technology (Gajda): Want to know what your olleagues are teaching? Reduce curriculum gaps and redundancies? Increase student learning? Come learn how the UMASSAmherst Educational Administration program faculty are using web-based Curriculum Mapper™ technology to systematically examine and collaboratively improve the content, quality, and delivery of our graduate level K-12 principal preparation program.

PD08-UMA French OWL: Web-based Assessment and Learning in Foreign Language Teaching (Bouvier): This presentation will demonstrate use of the UMass OWL system for written exercises and assessment in advanced foreign language study. I will discuss advantages and disadvantages, data tables and question structure, effective question creation, and the use of OWL as a diagnostic and review tool.

PD09-UMA Demonstrations of the OWL Online Learning System (Hart, Dean, Gross, Mattingly, Moll): The Online Web-Based Learning (OWL) system offers online homework, testing, e-textbooks and training. OWL is used in 25 departments at the Amherst campus and by numerous departments at other UMass campuses. Chemistry OWL has been licensed by Cengage Publishing and is used in over 300 schools across the country.

PD10-UMA-G Using An Eye-Tracking Device to Teach Nursing Students To Conduct Surveillance and Improve Patient Safety (Henneman, Cunningham, Fisher, Plotkin, Roche, Reilly): The purpose of this educational program will be to evaluate the effectiveness of an eye-tacking device to teach nursing students to use selective attention processes (surveillance) to identify medical errors related to patient identification and patient monitoring. Our long term goal is to improve patient safety.

PD11-UMMS Using the Apreso™ Lecture Capture System to Orient Students to the New BLS Vista 4 Learning Management System (Levin, Riza, Lydon, Barrett, Theriault): As WebCT Vista 3 upgrades to BLS Vista 4 in January 2008, students at the Worcester campus' three schools will require orientation demonstrating how changes will affect their access to course content. To efficiently reach all students, a BLS Vista 4 orientation session will be captured and streamed using Apreso™.

PD12-UMA Design, Development and Implementation of Audio/Video Capture Technology to Enhance Effectiveness of the Disfluent Speech Transcription Process (Mercaitis): This presentation will focus on the use of audio/video capture to facilitate instruction in transcription and analysis of stuttered speech within a blended learning environment. Graduate students were provided with a selection of audio and video clips to facilitate their clinical proficiency in transcribing and analyzing disfluent speech samples.

PD13-UMMS Enhancing Active Learning in a F2F Graduate Nursing Classroom: Capitalizing on the Presence of Student Laptops (Parker): Active learning, in which knowledge is analyzed and applied, facilitates the development of critical thinking in learners. "Wireless" classrooms provide an opportunity to integrate student laptops into active learning activities in the traditional face-to-face (F2F) setting, but there is only limited literature about the practice. The author completed a systematic inquiry of using wireless tablet laptops in a F2F classroom.

PD14-UMMS Three-Dimensional Representation of Anatomy and Pathophysiology (Pieters, Stefan, Mayo, Ferrucci, Simkin,.Fitzgerald, Gilroy, Csizeck): The Varian Radiation Therapy Treatment Planning System provides the ability to image anatomy in three dimensions. It will be demonstrated as a tool for instruction in anatomy, pathophysiology and trans-sectional imaging. Further, the fusion tool will assist students in learning to read MRI and PET scans.

PD15-G-UML Bridging the Gap Between the PDA and Tablet in Healthcare: The Ultra Mobile Portable Computer at the Bedside (Scollin, Callahan, Koren, Campbell): The Ultra Mobile Portable Computer (UMPC) has the advantages of the PDA in small size and of a Tablet PC in its full computer capability. This project evaluated the use of the UMPC at the point-of-care. Nursing Students attitudes toward using this technology at the Point-of-Care will be presented.

PD16-UMD The Effect of Remote Response Technology on Attendance and Test Performance in Large Classes (Shapiro): Remote response technology (RRT) can be a valuable tool for teaching large classes. This presentation explains how RRT is used. It then reports an empirical study of its effectiveness for boosting attendance and test performance in a class of over 200 students. Theoretical explanations for the learning effects are discussed.

PD17-G-UML Camtasia – Creating Rich Instructional Media Materials (Shuldman, Hickey): Camtasia is a software tool that allows for screen capture with voice-over. In this session, we will describe the process of introducing faculty to the software, how it is being used on campus, the extent of support offered, as well as unexpected results and next steps for the campus.

PD18-UMB Politics, Literary Culture and Theatrical Media in London, 1625-1725: A Website to Facilitate Interdisciplinary Teaching (Smuts): We propose a panel presentation to explain the website we are constructing to facilitate a team-taught interdisciplinary graduate course integrating history, literature and visual culture. We will provide an overview of the project and discuss how we seek to integrate the site into our teaching of a specific course topic.

PD19-G-UMA Enhancing Faculty-Student Interactions in Large Enrollment Science Classes Using Inking, Wireless and Capture Technology (Theis): Our teaching initiative supports faculty in their use of inking, wireless, and capture technology in the classroom to promote student-centered instruction and active learning. We will demonstrate that the technology-enabled teaching style enhances student learning, enables richer content and encourages curriculum development.

PD20-UMD iLearn: Internet-based Active Learning Environment (Vokkarane, Balasubramanian): Internet-based tool Ubiquitous Presenter (UP) allows electronic slides to be accessed and annotated via a web browser. Students click a link to choose a method of interaction. Some of the limitations of using such technology in pedagogy and ways of countering them are presented. We will report our experience implementing UP.

PD21-G-UML Using Inexpensive Educational Robots to Teach Language Engineering (Xu): With budget constraints, teaching language engineering poses challenges. Leveraging the emerging inexpensive robot devices, we present a new approach of using robots as system context. We designed the Chirp-Scribbler language to target the popular Scribbler robot; combined together, they provide an engaging and feature-rich platform to teach a wide range of topics in language engineering.

PD22-UMB Open Courseware at UMass Boston: Course Materials for Everyone (McMahon, Schwartz): The November 2007 launch of the UMass Boston Open Courseware site (http://www.ocw.umb.edu) adds momentum to the burgeoning open educational resources movement in Higher Education. This poster session will introduce you to UMass Boston's Open Courseware site and present the benefits of making archival curriculum materials available to the public.