Annual Report
July 1st, 2011- June 30th, 2012
Educational Technologies at Missouri (ET@MO)
http://etatmo.missouri.edu
Dr. Danna Vessell
Director

ET@MO advances the meaningful use of educational technologies in teaching and learning at Mizzou through various programs, consultations and activities.

ET@MO staff:
1) Engage in relevant academic technology strategic conversations, decisions, and initiatives
2) Facilitate the use of existing resources and infrastructure for quality, consistency, and efficiency
3) Research, design, and implement relevant new educational technologies across the University in support of teaching and learning

ET@MO Services - At a Glance		
	2011 (% of total)	2012 (% of total)
Online Learning Systems		
Total MU Courses supported on Blackboard	5,127 (77% of all courses)	5,705 (71% of all courses)
Unique Student ID's	29,433 (91% of students)	30,867 (91% of students)
Student Enrollments (student enrollment in each of their course sites)	245,515	260,457
Course Views	45,388,584	75,824,065
Students using Blackboard Mobile Learn	7,421	8,346
Fully Online Course Support		
Number of fully online courses supported through partial or full development (includes ATL's)	472	314
Course Reviews using Quality Matters	13	58
Pedagogy/Technology Consultations		

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One-on-one faculty consultations (technology, pedagogy, or both)	*454*	*503*
Celebration of Teaching attendees	*300*	*743 (180 from outside Mizzou)*
Assessment Tools		
Mid-semester course surveys -- MOCAT	*525*	*510*
End of the Semester surveys – MyCourse	*1,277*	*1,347*
Student response system ("clickers")		
Courses using	*81*	*101*
Enrollments	*15,289*	*22,651*
Sakai		
Courses using	*54*	*96*
e-Portfolio student sites	*1,858*	*2,601*
Other Educational Technologies		
Tegrity		
Courses	*380*	*715*
Hours viewed	*152,584*	*164,244*
Wimba (Blackboard Collaborate for 2012)		
Virtual Classrooms (may be more than one per Blackboard course site)	*692*	*3,815*
Active Students	*1,332*	*9,984*

Program Highlights

ET@MO is a vital part of teaching and learning at the University of Missouri, both on campus and at a distance. Ensuring that educational technology is used to advance student learning requires that faculty members have access to professionals with both instructional design and educational technology expertise. This year, we are merging ten full time instructional designers and developers from Mizzou Online into our staff so that all MU faculty members now have a one stop shop for instructional design and support, regardless of the modality of the course that they are working on. This team, who will be under the direction of a new instructional design manager to be hired, will be responsible for assisting instructors with course design and development for self-paced, face to face, hybrid, and fully online courses.

In addition to the core team of educational technology and instructional design support, the Mizzou e-mentors and the academic technology liaisons (ATL's) continue to provide

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additional assistance for instructors. The e-mentors are faculty members who are recognized for their excellence in teaching with technology. The ATL's, who are instructional designers located in their local departments, have been able to expand their support this year by furthering conversations about e-learning, participating in course redesign and the Mizzou quality course reviews, as well as providing multiple new opportunities for faculty to learn best practices with technology.

Strategic Conversations

The staff members at ET@MO were able to assist with communication and coordination of teaching with technology topics on multiple strategic levels, such as participating in:

- Elearning Commons project (Equella)
- UM online portal project
- Technology Evaluation subcommittee
- Learning Spaces committee
- Student e-book study
- E-learning library advisory board
- Equella
- End of the semester assessments

Teaching Support

We also planned and executed the Celebration of Teaching, which had more than double the attendees over last year, plus an additional 180 colleagues from outside Mizzou. ET@MO staff presented at many campus workshops such as the Faculty Writing Intensive Workshop, New Faculty Orientation, and Graduate Teaching Orientation in support of good teaching with technology.

ET@MO has also broadened its methods of disseminating information to instructors by utilizing YouTube, Twitter and blogs, and further developing an e-learning resources web site. http://elearning.missouri.edu is designed to provide Mizzou with an active and dynamic community space to share ideas, solutions, and strategies for teaching with technology. The site also connects to a multidisciplinary blog including posts from ET@MO staff, ATL's, e-mentors, and other people from across campus engaged in teaching with technology. There is also a departmental website – http://etatmo.missouri.edu, and a learning technologies site – http://courses.missouri.edu. We continue to offer multiple sources of information such as the Cyberteach list, the online educator's list serve, and the twice yearly Innovator.

Through the MU Course Redesign project, we focus on redesigning large enrollment, multi-section undergraduate courses. The following are the Mizzou courses being redesigned for the 2011-2012 academic year, and we will be issuing a call for 5-7 new course redesign projects this fall. All of the courses came from units with ATL's.

- Statistics 1100, Larry Ries
- Human Development and Family Studies 2400, Cynthia Reeser
- Math 1300, Jason Aubrey
- Biology 1010, Sarah Bush
- Journalism 2150, Lynda Kraxberger and Steve Rice

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- Nursing 2000, Gina Oliver

In addition to course redesign, we plan on participating with Mizzou Online in the call for online program development funding this fall. We will be providing course and faculty development support for up to 250 courses as new fully online programs are developed in response to this 2.5 million dollar RFP.

We were also able to recognize teaching excellence through the Excellence in Teaching with Technology Awards, and to support the nomination of instructors for national awards. Bethany Stone, one of our Excellence in Teaching with Technology winners, also won the Award for Innovative Excellence in Teaching, Learning and Technology as well as the Ernest L. Boyer International Award for Excellence in Teaching, Learning and Technology. Last year, Elizabeth Baker won the Boyer award. This is the first time that any institution has won the Boyer award in back to back years.

While ET@MO provides technology and pedagogy support for all instructors at Mizzou, additional in depth instructional design and programmatic support are provided for courses taught fully online through Mizzou Online. Online course development is a more in-depth process that includes curriculum planning, comprehensive individual design assistance, project management and higher levels of support for faculty teaching at a distance, including Mizzou Quality Course Peer Reviews, content creation assistance and multimedia support. One of the most notable programs that we've provided extensive course development support for is the new Executive MBA program from Business. They start in August with their inaugural cohort of twenty-two students.

Technology Support
ET@MO staff members also continued to support various educational technologies such as the student response system ("clickers"), lecture capture and videocasting via Tegrity, wikis and blogs, as well as the audio and video conferencing software Blackboard Collaborate. We are working with student information systems to provide an easier and faster automated course request system for faculty members to set up their Blackboard courses. We developed a new dynamic, searchable documentation system – http://etopics.missouri.edu that allows instructors to more easily access documentation on a wide variety of topics. We are piloting an Electronic Learning Commons (http://elc.missouri.edu) based on Equella software as a repository for learning objects and materials. This repository will be available to all instructors and classes and is intended for course-related materials for use in multiple courses or sections. ET@MO will also be expanding our technology support in the fall to include video streaming and transformation with a product called Kaltura. Kaltura allows instructors and students to upload large videos, stream them, and transform raw video into smaller file formats. Students and instructors will access it via Blackboard.

ET@MO's META (Mizzou Educational Technologies Assistance) Team serves the educational technology support needs of faculty while providing students with valuable educational experiences alongside some of MU's most innovative faculty members. This year, the members of the META Team provided 218 individual faculty

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consultations. In addition, they staff the ET@MO open lab hours for faculty every Thursday from 1-3.

Assessment Support
ET@MO staff members were able to provide several opportunities for faculty members to assess their teaching. The MoCAT (Missouri Cares About Teaching) course evaluation system was used to administer 510 mid-semester surveys in order to provide formative feedback while the faculty member still had time to make changes. At the end of the semester, MyCourse was used to administer end of the semester final evaluations for over 1300 courses. Since the administration of the end of the semester surveys (both paper-based and online) is transitioning to the Assessment Resource Center, we've been working closely with them to make sure their product meets the needs of instructors. We will also be exploring the use of their product to support mid-semester evaluations.

Goals for ET@MO in 2012-2013
The 2012 Educause Learning Initiative Horizon Report suggests that over the next few years, there will be a number of interesting technologies used for teaching and learning at the higher education level. These include the following;

- Mobile Apps
- Tablet Computing
- Game-based learning
- Learning Analytics

We've been exploring mobile uses, both from the perspective of new applications available for teaching and learning and using the Blackboard mobile application.   We've also been discovering the uses of tablets in teaching and learning, particularly with using iPads in the classroom and wireless projection.   We will be integrating Starfish with Blackboard in the near future in order to access learning analytics to support student persistence and installing a Blackboard building block called Astro to be able to access more information about the tools instructors are using and the ways in which they are using them to drive our strategic decision making.

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