Annual Report
July 1st, 2017 - June 30th, 2018
Educational Technologies (ET@MO)

Dr. Danna Wren
Director

Educational Technologies advances the meaningful use of technologies in teaching and learning at Mizzou through various programs, consultations, and activities. We serve the course design and development, and learning technologies needs of MU faculty members, staff and students.
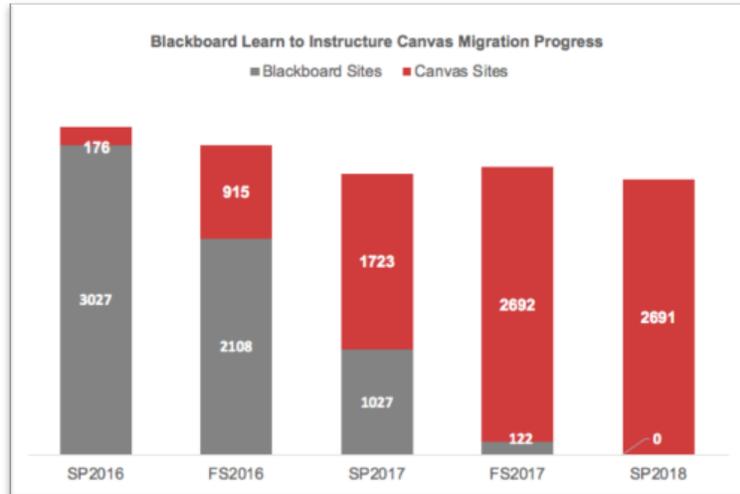
The professional staff at Educational Technologies continually strive to:
1) Promote and maintain excellence in course design and development.
2) Explore and manage technologies that enhance teaching.
3) Provide high quality technical and pedagogical support for instructors teaching with technology and second-level educational technology support for students.
4) Advance faculty development at Mizzou.
5) Promote the scholarship of teaching and learning.

Blackboard to Canvas Transition Support Achieves 90% Faculty Satisfaction

This past fiscal year saw the completion of the campus-wide migration from Blackboard to Instructure Canvas. Over the course of two years, the dedicated staff at Educational Technologies provided workshops, trainings, consultations, and migration assistance to faculty on campus as we worked to ease the transition to the new Learning Management System. In order to help evaluate the overall support process provided by Educational Technologies during the migration, we surveyed faculty on their experiences. We received 339 responses for a response rate of about 15%. When faculty were asked about their satisfaction with the support and assistance provided by Educational Technologies during the LMS transition, **90% of faculty indicated they were satisfied with the experience**. These survey results are additionally supported by the verbal and written faculty feedback we received such as: "*I was helped at every step*", "*I think that the support staff has been excellent in the transition*", and "*I got PLENTY of support*".

Growing Interest in Enhancing Online Course Design

Our Online Teaching Foundations (OTF) program is a six-week course designed to help Mizzou instructors examine how they will engage students through course design, deliberate use of digital tools, and communication in their online course. This past fiscal year we saw **a 22% increase in the number of participants in the OTF program**. Participants in this program included faculty from the College of Agriculture, Food & Natural Resources, College of Arts & Sciences, Trulaske College of Business, College of Education, College of Engineering, School of Health Professions, Missouri School of Journalism, School of Law, and the College of Veterinary Medicine.

Promoting Excellence in Course Design

Supporting Excellence and Innovation in Online Courses

The primary focus of the Course Redesign Program is to provide funding to support substantive—preferably transformative—enhancements in the pedagogy or technology of individual courses.   This past fiscal year we funded and **provided comprehensive design and development support on 11 courses**, which is double the number from FY17.

Course	Instructor
COMM 1200: Public Speaking	Cassandra Bird
P_HLTH 7150: Principles of Public Health	Jennifer Dills
IS_LT 7305: Foundations of Library and Information Science	Twyla Gibson
CV_ENG 3700: Fluid Mechanics	Enos Inniss
ELPA 8419: Structures and Processes of Effective Schools	Se Woong Lee
PH_THR 4120/7120: Clinical Education IA	Dana Martin
PH_THR 4150/7150: Clinical Education IB	Kelly Stephens
JOURN 1000: Journalism and Advertising in a Democratic Society	Amy Simons
P_HLTH 8001: Topics in Public Health – Strategic Health Communication	Jon Stemmle
ISLT_4099/7099: Making and Education	Johannes Strobel
LTC 8900: Advanced Curriculum & Pedagogy: Adv Science Methods	Laura Zangori

Promoting and Recognizing Quality Online Courses at Mizzou

The quality course review process provides a mechanism for instructors to have their online course(s) reviewed for quality by faculty eMentors and instructional designers using the Quality Matters™ rubric.
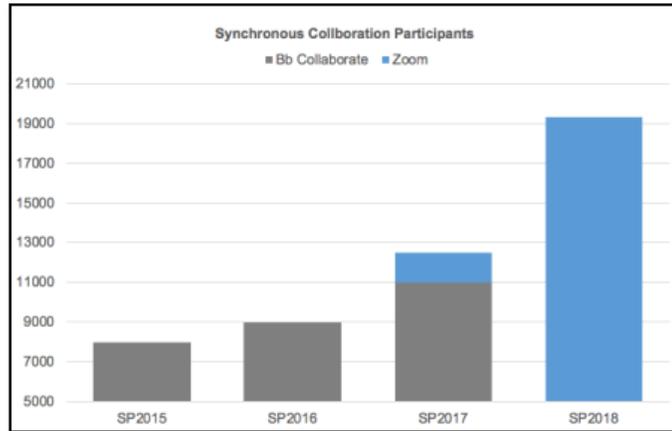
This year we had **18 online courses take advantage of the quality review process** from academic units across campus including: College of Agriculture, Food & Natural Resources, College of Education, College of Engineering, College of Human Environmental Sciences, Sinclair School of Nursing, Harry S Truman School of Public Affairs, and the School of Health Professions.

Exploring Technologies that Enhance Teaching

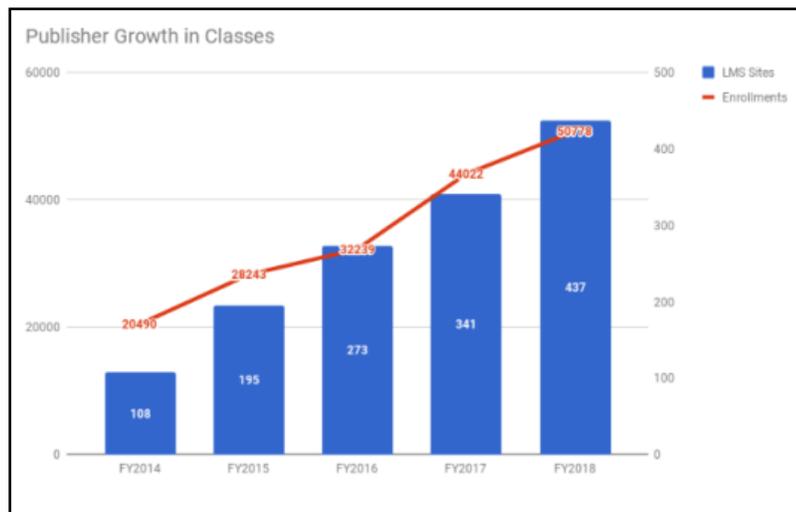### *Big Boom with Zoom! (Synchronous Collaboration/Live Classroom)*

Zoom – our new virtual classroom technology that allows instructors to hold classes, trainings, or office hours online and afford real-time interaction with students -- fully replaced Blackboard Collaborate at the conclusion of Fall 2017.

In just one semester, we have seen a substantial growth in the overall use of this technology in online course sites. As an example, during the Spring 2018 semester, **337 instructors used Zoom in their classes with a total of 19,333 participants**, which is more than double the number of Bb Collaborate participants from Spring 2016.

eTextbook Adoption Continues to Increase

With the success of the AutoAccess and Open Educational Resources initiatives, eTextbook adoption continues to see rapid growth, as faculty look for lower cost textbook options and the advanced features digital textbooks can provide.
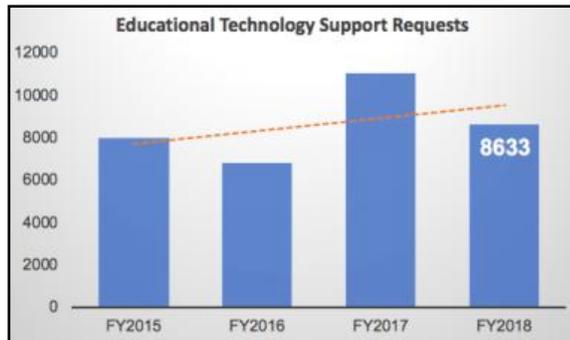
Student **enrollment in eTextbook applications from publishers have increased over 50% over the past two fiscal years alone**. In addition, the number of publishers we work with continues to increase.

Instructional Support

Technical Consultations & Support

Over the past fiscal year, the learning technologies team at Educational Technologies responded to **over 8,600 requests for support** from MU faculty, staff, and students. These support consultations were conducted via email, phone, live chat, as well as face-to-face.

Instructional Design Consultations & Support

Educational Technologies provides a wide range of course design and development services and support for Mizzou faculty members, including video production, interface and graphic design, quality course reviews, and program redesign. In providing these services to faculty, **instructional designers consulted with 611 instructors across campus** over the past fiscal year.

Learning Technology Training for Faculty and Graduate Instructors

In addition to administering and integrating the suite of various learning technologies available here at Mizzou, the learning technologies team at Educational Technologies also work to keep our faculty up-to-date on best practices in using these tools. Faculty training comes in the form of 1-on-1 consultations, open support hours, documentation, and through group training sessions offered throughout the year. In the past fiscal year, we had 328 enrollments in the 93 group training sessions offered. Educational Technologies also provides customized training to Graduate Instructors and Teaching Assistants who are required to use Canvas as part of their teaching assignment. In FY18 we had a total of **97 graduate instructor/teaching assistant participants** across 13 departments across campus.

Faculty Development & Recognition

Celebration of Teaching

The annual **Celebration of Teaching saw 374 registrations** from across the Mizzou community, and once again had overwhelmingly positive feedback from attendees.

In an effort to better retain participants after the award luncheon, this year we swapped out the closing concurrent sessions in favor of a single plenary session by Dr. Saundra McGuire.   Her plenary session was well attended, gaining 8% more attendees than the sessions in the same timeslot did the year prior.

Excellence in Teaching with Technology Awards

The Excellence in Teaching with Technology Awards recognize excellence in the efforts of faculty, staff, teaching assistants and graduate instructors involved in using educational technologies to meaningfully improve teaching and learning at Mizzou.

<u>*2017-2018 Award Recipients*</u>

Prasad Calyam, Computer Science
Heather Hunt, Biological Engineering
Julie Birt, Learning, Teaching, & Curriculum
Karen Nazario, Trulaske College of Business

Teaching and Technology (TNT) Workshops

We offered four teaching and technology (TNT) workshops for faculty in FY18 covering various hot topics related to teaching and learning.   **Average attendance at individual TNT's increased from 16 to 18 during FY18.**

Scholarly Work, Professional Service, and Awards

Scholarly Work

The professional staff at Educational Technologies continued to contribute to the national discourse of the domain through a variety of publications and presentations:

- Cole, L., **Quinn, J.** (2017). *Green Building Literacy for Online Learners*. Presented at the Midwest Regional Interior Design Educators Conference (IDEC), St. Louis, MO.
- **Foley, L.** (2017). *Instructional Design Principles for Nurse Educators*. Midwest Regional Nursing Educators Conference. Nov 10, 2017.
- **Quinn, J.**, Grabau, C., Stromie, T., Baudier, J. (2017). *Reviving Your Why: Aligning Your Personal and Professional Values*. Presented at the Professional Organizational Development (POD) in Higher Education, Montreal, Canada.
- **Wilson, G.** (2018). Invited expert panelist on *The Best of Both Worlds: Turnitin and the Canvas Plagiarism Framework*. TurnItIn's Product Launch Webcast. May 24, 2018.

Awards & Recognition

In addition, this year Educational Technologies had three professionals formally recognized with awards for outstanding service:

- **Angela Knoerr**, Chancellor's Outstanding Staff Award
- **Briana Johnson**, College of Human Environmental Sciences Outstanding Staff Award
- **Laura Foley,** Nursing Alumni Association Staff Award for Overall Excellence

Professional Service

Professionals at Educational Technologies also shared their expertise and scholarship within the teaching and learning domain by:

- Leading the MU team for the Co-Action Learning Lab sponsored by Penn State.
- Facilitating the Association of College Educator's (ACUE) Course in Effective Teaching Practices for 32 Mizzou faculty and a subsequent month long curriculum institute.
- Serving on or chairing the following Campus Committees:

  - Affordable/Open Educational Resources Campus Task Force and Operations committees
  - Campus Writing Board
  - Digital Accessibility Committee
  - Digital Badging
  - Disability Advisory Committee
  - Distance Education Strategy Committee
  - Journalism Curriculum Committee
  - Learning Spaces Committee
  - Learning Technologies Intercampus Consortium
  - Mizzou IT Committee
  - Mizzou One Implementation Group
  - Mizzou Online Operations Group
  - Nursing Curriculum Redesign
  - Online Course & Program Quality Committee
  - Teaching for Learning Center Search & Steering Committees
  - Technology Evaluation Subcommittee
  - Title IX Hearing Panel
  - UM System Course Sharing
  - Video Conferencing Technologies

Progress Update on Last Year's Goals

1. Support faculty and students through the transition to Canvas.	
✔	We had a successful Canvas migration, with the overwhelming majority of faculty being pleased with the new LMS. We also achieved a high degree of satisfaction with the services we provided to faculty throughout the migration.
2. Continue to market and expand our many faculty professional development opportunities.	
✔	Currently working with the Online Course Quality Subcommittee to help offer more sections of our Online Teaching Foundations course, in addition to a greater diversity of offerings.
3. Facilitate the upcoming STEM+Humanities curricular redesign.	
✔	Facilitated the American College and University Educators (ACUE) course on college teaching which had thirty-two faculty from STEM and Humanities participants. We also coordinated and delivered the summer curriculum redesign institute for STEM and Humanities faculty, culminating in presentations to the Chancellor and other administrative staff.
4. Assist campus conversations around textbook affordability for students.	
✔	We continue our work to help guide strategic campus conversations on A/OER, serve on the A/OER committee, work with faculty to incorporate A/OER into their courses, and review UM system grant opportunities.
5. Identify strategic ways to save money on educational technologies.	
✔	After studying faculty and student needs regarding ePortfolios, we now leverage Canvas ePortfolios & Outcomes, and have decommissioned the Sakai servers. We are replacing Tegrity with Panopto which is a less expensive option, but still retains all the critical lecture capture features our faculty need as well as bringing new ones. Retired MoCAT and worked with Assessment Resource Center to transition this service to their newly designed platform. Helped obtain a UM system-wide contract for TurnItIn, saving the system $382K over the span of three years.

Current Goals

1. **Expand our capacity to support additional undergraduate online programs, new online course quality standards, faster course creation, and the increasing online teaching development needs for faculty**.

2. **Continue to market and expand our many faculty professional development opportunities** in conjunction with the Teaching for Learning Center. These include our "Teaching n' Technology" Series, as well as our services that promote excellence in course design and development, such as Quality Course Reviews.

3. **Develop more support for curriculum design and mapping as it pertains to program and course design.** This may take the form of a summer curricular redesign, or in finding software to support easier curriculum mapping by faculty and designers. This supports micro-credentials, extended transcripts, and non-credit to credit pathways.

4. **Continue to lead and assist campus conversations around textbook affordability and open educational resources for students**. The team is developing design guidelines for use in the design and development of new courses. We've already been very successful at making it easier for faculty to implement A/OER resources.

5. **Make accessibility in digital learning materials a priority** through expanding resources for faculty, ensuring design considerations are met, and offering a wider variety of captioning options. Explore purchasing a software to facilitate faculty creation of highly accessible courses.

6. **Continue to explore the best technologies and services for our faculty, staff and students**. This year, we'll be undertaking a review of our student response systems in order to attempt to standardize.

Appendix A: FY2018 Data

Educational Technology Use @ Mizzou		
	FY2017	FY2018
Learning Management (Instructure Canvas)		
Canvas Course Sites	2,735	5,887
Student Enrollments in CNVS Course Sites	110,803	265,782
Lecture Capture (Tegrity & Panopto)		
Course Sites Utilizing Tegrity	1,232	1,379
Tegrity Media Views by Students and Faculty	511,261	429,670
Course Sites Utilizing Panopto	n/a	59
Panopto Media Views by Students and Faculty	n/a	91,277
Synchronous Collaboration (Bb Collaborate & Zoom)		
Students using Collaborate	26,263	2,555
Students using Zoom	1,340	31,639
Media Encoding & Distribution (Kaltura)		
Media Views by Students and Faculty	286,260	409,848
Students and Faculty using Kaltura	12,756	16,985
Media Blogging (VoiceThread)		
Users in VoiceThread sites	5,554	7,854
Student Response Systems (iClicker & Top Hat)		
Student enrollments in i>Clicker	31,661	24,358
Student enrollments in Top Hat	8,787	6,348
Originality Checking & Plagiarism Detection (TurnItIn)		
Instructors using TurnItIn in their courses	735	491
Student Retention (MU Connect)		
Instructors Using MU Connect	1,533	2,100
Appointments Created Using MU Connect	131,740	174,305
Course Sites Utilizing MU Connect	1,320	1,733

Instructional & Pedagogical Support		
	FY2017	FY2018
Unique *Instructors* Who Consulted with an Instructional Designer or Instructional Developer one or more times	490	611
Online Teaching Foundations Program (OTF) Participants	51	62
Course Quality Initiatives		
Courses Reviewed Through Quality Course Reviews (QCR)	16	18
Course Redesign Program: Courses Funded	5	11

Faculty Development, Training, & Recognition		
	FY2017	FY2018
Participation at Faculty Development and Training Events		
Celebration of Teaching Registrations	436	374
Teaching and Technology Sessions (TnTs) Attendees	78	72
Teaching Renewal Registrations	187	133
New Faculty Academy Event Attendees	61	84
New Faculty Orientation Attendees	79	62
Instructor Awards Facilitated by Educational Technologies		
Excellence in Teaching with Technology Award Winners	4	4