

Educational Technologies at Missouri (ET@MO)

<http://etatmo.missouri.edu>

Dr. Andrew Lootens-White, Director

In addition to supporting nearly 3,200 completely- or partially-online courses with over 153,000 student enrollments per year, ET@MO advances the meaningful use of educational technologies at MU through various activities. These activities in AY 2006 – 2007 included: continuing to support faculty teaching with WebCT and BlackBoard (and initiating a migration of approximately 400 courses from WebCT to BlackBoard), assisting the Program for Excellence in Teaching (PET) with several major conferences, continuing ET@MO’s Series on Academic Transformation, securing campus support for a centrally-supported e-portfolio and assessment system, continuing to pilot iTunes University, and extending communication among individuals who support educational technologies from within individual academic units.

ET@MO Mission

ET@MO supports the meaningful use of technology to improve teaching and learning. With a focus on both pedagogical design and technology innovation and excellence, ET@MO staff 1) engage in relevant academic- and technology-oriented conversations, decisions, and initiatives so as to make positive contributions; 2) facilitate the use of existing resources and infrastructure for the sake of quality, consistency, and efficiency, and; 3) research, design, and implement new educational technology innovations when feasible.

<i>2006 - 2007 ET@MO Service to MU - At a Glance</i>	
Online Learning Systems	
Student enrollments in BlackBoard and WebCT (academic year)	153,287
Courses supported on BlackBoard and WebCT (academic year)	3,169
Courses converted from WebCT to Blackboard	400
Pedagogy/Technology Consultation	
Courses, migrations, etc. supporting online degree programs through MU Direct	101
One-on-one faculty consultations (technology, pedagogy, or both)	250
Course surveys deployed using the MoCAT course evaluation tool	475
Faculty participating in TeAchnology - a week-long summer workshop	15
Academic Transformation departmental projects sponsored (year long)	10
<i>Innovator</i> publication featuring faculty innovators (campus-wide each semester)	2
New Technologies Support	
Course sections implementing student response system (“clickers”)	59
Faculty implementing student response system (“clickers”)	47
Enrollments in courses using student response system (“clickers”)	7,713
Courses with iTunes University “site” (actual usage much lower)	71
e-Portfolio sites in pilot/trial	225
Student META Team Support for Faculty	
META Team faculty consultations/visits/small projects	126
META Team major development projects	13

Executive Summary

ET@MO is a vital part of teaching and learning at the University of Missouri. More than 153,000 student enrollments from approximately 3,200 on-campus and distance courses use the online course management systems supported by ET@MO each year. With the purchase of WebCT by Blackboard, ET@MO and the Division of IT began held open forums for faculty, made a decision to discontinue WebCT support, and began migrating WebCT courses to BlackBoard (including course content and training former WebCT faculty to use BlackBoard). ET@MO's META (Mizzou Educational Technology 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. This year, the META Team provided 126 faculty consultations and was involved in 13 major projects including the creation of web-based tools and interactive multimedia modules. The MoCAT (Missouri Cares about Teaching) course evaluation system was used in over 475 course sections at MU and continues to also be available to UMKC faculty.

Ensuring that the use of educational technology is academically meaningful requires that faculty have access to professionals with instructional design and educational technology expertise. Individual faculty consultations included 101 ongoing projects supporting online degree programs (delivered through MU Direct) and additional consultations for on-campus faculty. ET@MO sponsored 10 departmental teams as a part of its *Series on Academic Transformation*, where teaching and learning challenges are addressed creatively with technology and pedagogical innovations. ET@MO staff also continues to support student response system ("clickers"), where the use of these systems included 47 course sections totaling 7,713 enrollments. Significant efforts also include piloting an e-portfolio system, which now has funding and is moving out of "pilot" status. Finally, ET@MO continues a pilot with the College of Arts & Sciences to fund an "on-site" educational technology support staff member.

Online Learning Systems

The Learning Technologies Team at ET@MO has fostered an ongoing and significant growth in the number of courses using BlackBoard or WebCT. This team manages and supports approximately 3,200 course sites (representing 153,000 student enrollments) each year. In addition, ET@MO's Learning Technologies Team led the effort to explore the Sakai platform as an online learning environment, which now includes the Open Source Portfolio (OSP) initiative. A pilot of OSP began in fall 2006, through which approximately 225 student e-portfolios were created from students in the School of Nursing, College of Business, Department of Art, and Romance Languages. The team also began helping faculty migrate from WebCT to BlackBoard (which includes moving course content and training faculty on BlackBoard) and the team is on-track to all migrations complete when WebCT is no longer available after Fall 2007.

Course Development and MU Direct Support

ET@MO instructional design staff were involved in 101 separate projects supporting MU Direct (most of which involved full or partial development in 3-credit courses). These activities ranged from planning new courses with new instructors to revising existing courses with veteran online instructors. This number also includes several courses which were migrated from the WebCT platform to BlackBoard. In addition, several other services were provided to support the efforts of MU Direct, as well as numerous projects related to on-campus faculty. See Appendix C for detailed information about projects supporting MU Direct.

META Team Support

The Mizzou Educational Technology Assistance (META) Team is a group of talented undergraduate and graduate students who assist MU faculty on a variety of educational technology-related projects. Making faculty office visits as well as collaborating on long-term development projects, the META team serves the educational technology support needs of faculty and provides META Team members with valuable educational experiences alongside some of MU's most innovative faculty. For an investment of approximately \$50,000 in student hourly wages, the university receives the equivalent of \$130,000 in services (when compared to the cost of full-time staff positions of 2.375 FTE).

The META Team conducted over 126 faculty consultations and 13 major projects including:

- Engineering Advising Web site
- Engineering Research Web site
- IdeaWorks Web site - template redesign
- Missouri Business Web site
- Physical Power Electronics Web site - template design
- MU Informatics Institute Web site
- Child Development Lab Web site
- Staff Advisory Council Web site
- MU Positive Behavioral Interventions & Support
- Teaching Tools & Tips Web site
- Facial Plastics Web site
- Several video tutorial/screen capture instructional videos
- MoCAT training sessions for faculty

Pedagogy and Technology Workshops/Consultations

ET@MO hosts a variety of workshops, discussion sessions, and symposia focused on teaching with technology. Rather than offering hands-on workshops only at pre-scheduled days and times, the primary mode of working with faculty is now a one-on-one consultation format. ET@MO offered approximately 250 such consultations this past year. In addition, ET@MO staff provided significant assistance to staff in the Program for Excellence in Teaching (PET) for events such as the Teaching Renewal Conference and New Faculty Orientation.

Excellence in Teaching with Technology Awards

Four awards were presented this year to recognize excellence in using educational technologies to meaningfully improve teaching and learning. The faculty and staff who were nominated for the awards (by students and/or fellow faculty), then ultimately selected by the ET@MO faculty advisory committee after reviewing additional portfolio materials were:

- Graduate or Professional Award: Marian Petrides, Pathology and Anatomical Sciences
- Undergraduate Teaching Award: Jacquelyn Sandone, Romance Languages
- Staff Support Award: Jeremy Bloss, McNair Scholars Program
- Graduate Teaching Assistants/Instructors: John Estes, English

MoCAT Teaching Evaluation System

The MoCAT (Missouri Cares About Teaching) system allows faculty members to construct customized online teaching/course evaluation surveys, send survey requests to their students, and compile anonymous, confidential results online for teaching improvement. In AY 2006 - 2007, more than 475 course surveys were conducted using the system. Version 3.0 of MoCAT was made available in Fall 2006 and included improvements to how instructors create surveys based on various characteristics of their course, such as Writing Intensive, Honors, technology integration, and class format (lab, lecture, discussion, etc.).

Leadership Evaluation and Development System (“LEADS 360”)

In partnership with the UM System Administrative Leadership Development Program (ALDP), a new online system was developed that facilitates “360 style feedback surveys” to improve professional development within the university community. The Leadership Evaluation and Development System (“LEADS 360”) should be available by the middle of fall 2007, when Division of IT staff finish final revisions to the program. Several units have expressed interest in using the system for staff development and for student evaluation in clinical settings.

Series on Academic Transformation

For 2006 - 2007, ET@MO’s year-long *Series on Academic Transformation* assisted 10 MU departments in identifying and implementing transformative change in their courses to improve teaching and learning. Proposals were sought from faculty teams via deans, chairs and the Provost's office. Faculty teams which were accepted then participated in a year-long program facilitated by ET@MO staff. The first semester included presentations, workshops, and planning, while the second semester focused on implementing the projects (and designing any necessary technologies, curriculum revisions, etc., with support from ET@MO and others). ET@MO supported 10 departmental teams which sought to meet one or more of these goals:

- Meeting growing enrollment pressure by creatively tapping resources with technology
- Establishing and improving assessment with technology
- Establishing interdisciplinary teaching collaborations through technology
- Meeting the needs of unique student populations with technology (first-year, under-served, high ability, nontraditional, etc.)
- Advancing the scholarship of using technology to improve teaching and learning
- Designing and implementing pervasive (anytime/anywhere) technologies and pedagogies
- Internationalizing the curriculum through the use of technology

Departments participating in Academic Transformation for 2006 – 2007 included: English, Animal Sciences, Chemistry, Pathology and Anatomical Sciences, Medical Education Nursing (two projects), Journalism, Sociology, and Mathematics.

Teaching and Learning Council

ET@MO is a founding member of the MU Teaching and Learning Council, which is structured to better serve the needs of faculty members throughout their careers by integrating existing services and creating new alliances and synergies to maximize use of MU's expertise and financial resources. The ultimate goals of the Teaching and Learning Council are to enhance student engagement and student learning. ET@MO maintains the Teaching and Learning Council website at: <http://teachandlearn.missouri.edu>

Collaboration with the Program for Excellence in Teaching (PET)

An interim director was appointed for the Program for Excellence in Teaching (PET) in the summer of 2006. Goals for this position included continuing critical PET workshops and initiatives and fostering a campus conversation about how MU can best meet the needs of faculty support and development. ET@MO staff embraced this exciting change and worked extensively with PET throughout the year on various conferences and projects. Although the long-term organizational structure and staffing model for PET remains unclear, ET@MO is committed to being part of a long-term solution.

ET@MO staff were involved in several one-of-a-kind projects:

- ET@MO maintains association with the Sakai Educational Partnership Program. Sakai is an open-source learning and collaboration environment. ET@MO staff have been active within the Sakai development community and conferences. Sakai is the platform that contains the Open Source Portfolio (OSP), with which ET@MO will assist academic units develop a process for students to create e-portfolios to demonstrate learning and mastery of course/program goals.
- ET@MO staff assist various faculty who are using digital video and audio (podcasting) in their courses. Podcasting and digital video continue to become of more interest to faculty and students. ET@MO staff worked with Division of IT staff to make the campus video streaming server available for academic courses at no charge. “iTunes U” has also been explored by ET@MO, the Division of IT and several other campus units, although a long-term support model remains unclear.
- ET@MO staff assisted MU libraries and the UM Office of Academic Affairs in planning a conference focusing on the issue “The Millennial Student” in higher education.
- Two print issues of *The Innovator* were distributed to all campus teaching staff. *The Innovator* celebrates innovative faculty and communicates important ideas regarding educational technology at MU.
- ET@MO staff continue to work with other MU support units (such as the Campus Writing Program) to explore how internal databases might streamline workflows and improve service to faculty and students.
- As a new track for the MU Graduate School’s Professional Development Seminars, ET@MO contributed sessions about teaching and technology. These sessions were especially well-received and will be continued during the 2007-2008 academic year.

Of Special Note:

As more faculty take advantage of existing educational technology resources at MU, ET@MO continues to emphasize high quality support while remaining engaged in campus-wide teaching and learning events, discussions, and initiatives. An on-going challenge for ET@MO staff will be to stay balanced while also making time to explore, research, and implement emerging technologies. Garnering campus administrative support for e-portfolios has been especially challenging the past year, although we have now secured funds to support the technical needs of an e-portfolio system to be housed within the Division of IT. New initiatives and technologies such as podcasting/iTunes University will continue to take staff time in order to help faculty learn the technologies and develop assignments which leverage the technology meaningfully.

ET@MO Goals for 2007 - 2008

Goal: Complete the migration of courses from WebCT to BlackBoard, eliminating the WebCT system and thereby saving the campus more than \$50,000 per year in IT costs.

Goal: Begin officially supporting e-Portfolio system by putting technical support personnel in place and continuing to help academic units with associated curriculum.

Goal: With the assistance of educational technology staff from several academic units, co-sponsor campus-wide presentations about emerging technologies and new pedagogies.

Goal: Add new features to the Missouri Cares about Teaching (MoCAT) evaluation system.

Goal: Launch the Leadership Evaluation and Professional Development System (LEADS) in collaboration with the UM System Administrative Leadership Development Program (ALDP).

Goal: Assist the Program for Excellence in Teaching (PET) with New Faculty Orientation (NFO) and the Teaching Renewal Conference (TRC).

Goal: Successfully connect BlackBoard's database with MyZOU, including adding the ability for faculty to upload final course grades to MyZOU directly from within BlackBoard.

Goal: Evolve and continue to support the online "Thank-a-Prof" system to "Thank-a-Tiger" where anyone at MU can thank an instructor, staff member, etc. who has made a difference.

Goal: Refine the Academic Transformation project to better respond to faculty needs and to encourage more meaningful course redesigns.

Goal: Work with DoIT and others to resolve whether and how "iTunes University" is supported.

Goal: Guide the creation of a web-based research survey tool, in collaboration with the Division of IT, the Institutional Review Board, and office of Research.

Goal: Support the development and deployment of educational digital media assets.

Goal: Support faculty in the creation of meaningful digital media assignments.

Goal: Refine and improve support for selected classroom technologies (e.g., student response systems aka "clickers" and digital media) in coordination with other departments.

Goal: Assist faculty in identifying and using new or niche technologies.

Goal: Continue to work with (and meet regularly with) local IT professionals who support educational/academic technology from within the academic units.

Goal: Continue to collaborate with MU Libraries to maximize the expertise of our staffs and create new and better ways of providing service to faculty and students.

Case Histories and Testimonials

Regarding ET@MO's new "Thank-a-Tiger" system: "Thank you – this is great – what an easy and honest way to create a culture of appreciation."

Thank you ALL for a fabulous learning experience – I am deeply grateful to you for allowing me to attend the TeAchnology class – I truly feel more comfortable around my computer and I am looking forward to becoming a more techno savvy teacher – and maybe even moving toward the 21st century!

I should point out that I was extremely satisfied with the support I received from ET@MO during my [WebCT to Blackboard] transition.

.... thanks and appreciation to the good folks at ET@MO, who have unfailingly provided prompt and expert technical support to us. In this instance, they went above and beyond in resolving a problem. We are fortunate to work with such fine colleagues.

The ET@MO staff member who assisted me on Friday from 5-6 p.m. went above and beyond the call of duty – he was helpful, courteous and his staying an hour late on a Friday evening is commendable and should be rewarded.

OMG... thank you so much.. this is a lifesaver.... this e-portfolio thing has been a blessing... employers seem to love it and it makes life much easier on me so I don't have to constantly be printing clips and sending them out!

Thank you for the opportunity to learn more about the possibilities of teaching with technology. Being rather new to the faculty, this type of professional development was quite beneficial.

Nice job as usual. The presentations did fire some neurons for me – now to put that electricity into motion! Please share my thanks to your crew.

I was a recipient of the 2004 Excellence in Teaching with Technology Award [sponsored by ET@MO]. Because of the boost in confidence that I received from your division through this award and encouragement from students who actually used the collection to aid them in their studies, I put the entire collection on the Google server so it could be available to any student on the globe who might wish to use them. The response has been very positive even though they have been up for only a short time.

I just wanted to fire off a note to thank you all again for a smooth, fast, professional job on [our custom] website templates. We've finished integrating our content, and the site was launched this afternoon. Great work!

Appendix A: ET@MO Staff and Faculty Advisory Board

ET@MO Staff

Director – *Andrew Lootens-White, Ph.D.*

Associate Director – *Margaret Gunderson, Ph.D.*

Administrative Associate – *Kelly Holtkamp, B.A.*

Systems Support Analyst – *Marsha Lyon, M.Ed.*

Instructional Design Coordinator – *Matthew Livengood, M.A.*

Learning Technologies Coordinator – *Danna Vessell, Ph.D.*

Educational Technology Specialist – *Marla Germann, M.B.A.*

Educational Technology Specialist – *Gary Godsy, B.S.*

Educational Technology Specialist – *Guy Wilson, Ph.D.*

Educational Technology Specialist – *David Reid, M.Ed.*

Educational Technologist – *Jacquelyn Sandone M.Ed. (shared position with A&S)*

META Team Coordinator – *Tanys Nelson, M.B.A.*

META Team and Graduate Assistant Support (varies throughout year): *Matthew Legrand, Vincent Foley, Mark Singer, Michele Smolik, Faydre Paulus, Amber Amelung, Temitope Adebambo, Chris Dahlberg, Kiran Karnati, Sandeep More, Kriston Singh*

Faculty Advisory Board

Faculty Advisory Board members represent a diverse range of disciplines and educational technology interests at MU; specifically, responsibilities of the board include:

- Serving as a forum for exploring issues in learning and teaching supported by technology
- Conducting the annual Excellence in Teaching with Technology Awards
- Serving as a resource in developing campus projects using technology in support of teaching and learning

2007 - 2008 Faculty Advisory Board Members:

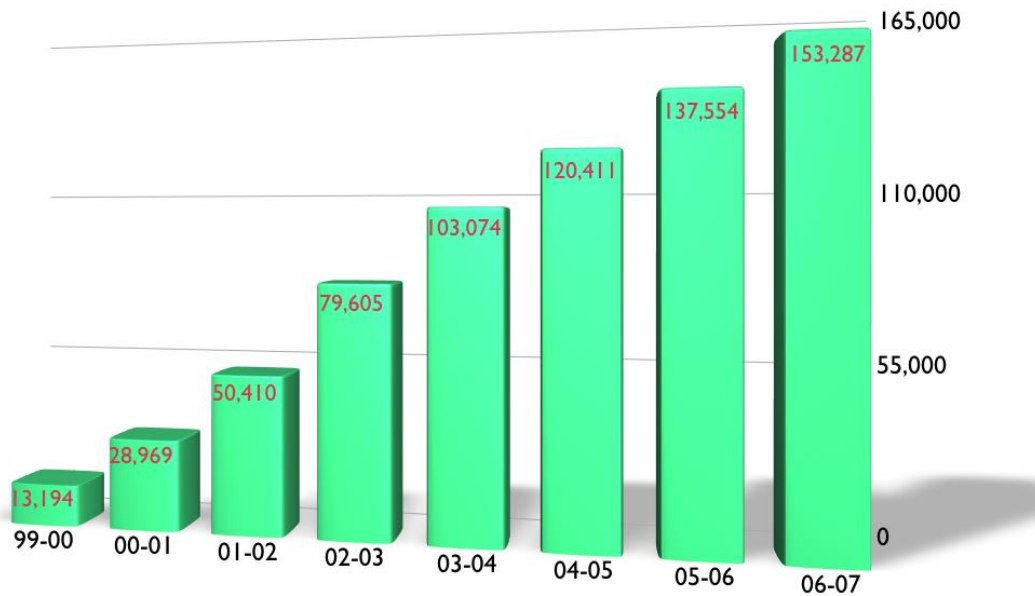
- Sarah Breier-Mackie, School of Nursing
- Kimberly Hoffman, Office of Medical Education
- Jan Dauve, College of Agriculture, Food, and Natural Resources
- George Justice, Graduate School and Department of English
- Jennifer Reeves, School of Journalism
- Linda Bennett, College of Education

State, National, International Partnerships in which ET@MO participates include:

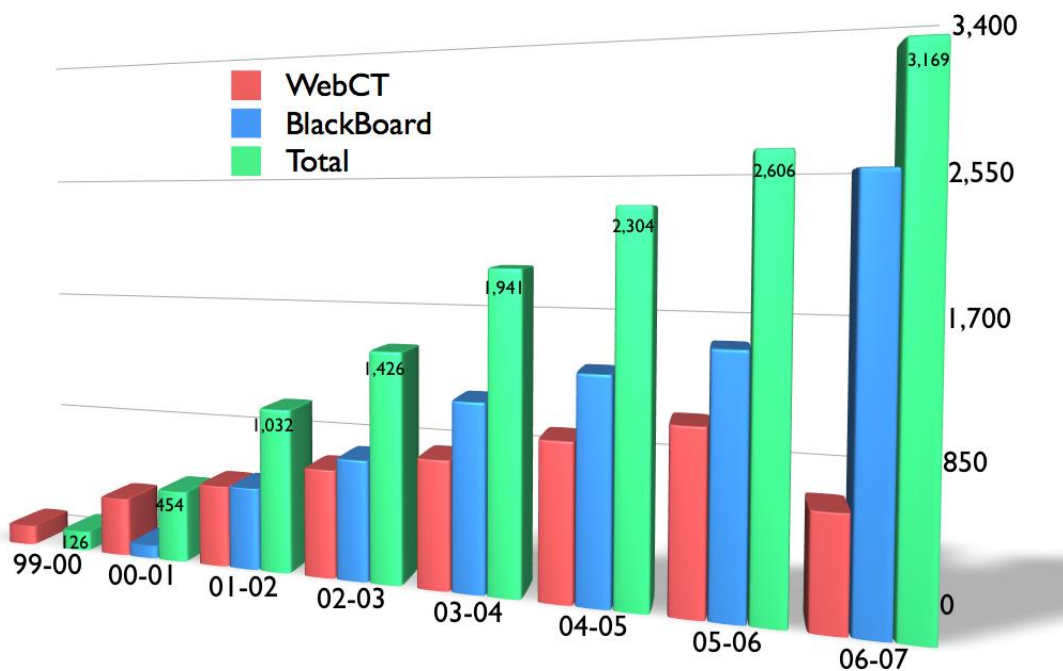
- EDUCAUSE Learning Initiative (ELI)
- Sakai Educational Partners Program (membership shared with Division of IT (DoIT))
- POD (Professional Organizational Development Network in Higher Education) departmental/staff membership
- UCEA (University Continuing Education Association) staff-held board position
- MOTEC (Missouri Technology in Education Centers)
- MoDLA (Missouri Distance Learning Association)

Appendix B: Online Course Activity at MU 2006 - 2007

Bb & WebCT Enrollments Per Academic Year



Courses Per Academic Year



Appendix C: MU Direct Course Development: 100 Total Courses (66 Migrations, 34 New Courses)

Course Number	Course Name	Instructor	%
N7140*	Advanced Health Assessment & Promotion	Sara Revelle	100
J8120*	Media Law and Ethics for the High School Advisor	Charles Davis	100
N8410	Clinical Management in Primary Health Care II: Adults through Aging	Sara Revelle	100
N7320*	Advanced Pediatric Pathophysiology	Dawn Garzon	100
ESCP 8087*	Child & Adolescent Mental Health	Ed Morris	100
ESCP 8087*	Diversity Issues for Educators	Lisa Flores	100
ESCP 8087*	Wellness Management for School Personnel	Mary Heppner	100
ESCP 8087*	Wellness Management for School Personnel	Laurie Mintz	100
N7310*	Advanced health Assessment for Pediatric Nursing Practice	Deb Gayer	100
CP&D 4955	Introduction to Research	Glen Heggie	100
ESCP 8087	Systems: Preparing Before Disaster & Trauma	Michele Edwards	100
N8420*	Primary Health Care Management: Newborn through Adolescence	Deb Gayer	100
N8210*	Special Health Care Needs of Children	Deb Gayer	100
N8980*	Advanced Clinical Nursing Practicum	Deb Gayer	100
J8000*	Mass Media Seminar	Eleanor Farnen	100
LTC 8900	Developing Home-School Partnerships: Working with Families	Rebecca Beckner	100
SPC ED 8387	Introduction to Autism	Lisa Wright	100
FS 8401	Food Biotechnology	Azlin Mustapha	100
LTC 8900	Second Language Acquisition	Joe Tillman	100
LTC 8618	Writing, Reading and Teaching Creative Non-fiction	Ellen Wilson	100
ESCP 8087*	School Mental Health: Policy, Law, and Ethics	Carol Evans	100
ED LPA 8409	Learning, Curriculum and Assessment for School Leaders	Carol Maher	100
ArchSt 7555/9555	Recent Trends in Environmental Design: Sustainable Environments	Cherith Moore	100
N8720	Symptom Management in Chronic Illness	Kathryn Brooks	100
N8010	Family Dynamics	Larry Ganong	100
ArchSt 8001*	Qualitative Research	Ruth Tofle	100
ArchSt 8630*	Design Theory	Ruth Tofle	100
ArchSt 8850*	Seminar	Ruth Tofle	100
RadSci 4440*	Organization and Administration	Carla Allen	100
N8820*	Healthcare Finance	Jill Scott-Cawiezell	100
ArchSt 8887	Environment and Behavior II	Ruth Tofle	100
3830	Health Psychology	David McDonald	100
SOC 3320	Sociology of Sex Roles	Candace Korasick	100
N7330*	Pediatric Pharmacology for Advanced Nursing Practice	Terry Buford	100
SOC 3310	Social Psychology	Ed Brent	100
POL SCI 2200	The Judicial Process	Anna Reddick	100
N7150*	Research Methods in Nursing	Rebecca Johnson	100
N8910*	Advanced Evidence Based Nursing Practice	Louise Miller	100
N8140*	Nursing and Health Policy	Connie Brooks	100
N8660*	Mental Health Interventions for Families	Connie Brooks	100
N8950	Teaching Nursing Practicum	Gina Oliver	100
ED LPA 8428	Curriculum Leadership	Thu Suong Nguyen	100
RS THR 4460*	Clinical Respiratory Therapy I	Shawna Stickland	100
CP&D 4480*	Clinical Ethics	Shawna Stickland	100
RS THR 4440*	Organization and Administration	Rosemary Hogan	100
RS THR 4993*	Clinical Practice VII	Rosemary Hogan	100
RS THR 4220*	Community and Patient Education I	Rosemary Hogan	100
RS THR 4920*	Community and Patient Education II	Rosemary Hogan	100
N7100*	Theories in Nursing	Jane Bostick	100
N8980*	Adv. Nursing clinical Practice-MHNP	Jane Bostick	100

N8620*	Brief Individual Psychotherapy	Jane Bostick	100
N8610*	Diagnosis and Psychopharmacology for Mental Health Nurses	Jane Bostick	100
N8640*	Group Therapy and Social Skills Training	Jane Bostick	100
N8430*	Primary Health Care Management: Reproductive and Sexual Health	Kristin Metcalf-Wilson	100
N7120*	Physiological Concepts for Nursing	Kristin Metcalf-Wilson	100
N8980*	Advanced Clinical Nursing Practicum	Kristin Metcalf-Wilson	100
N8970*	APN Role Transition	Kristin Metcalf-Wilson	100
N3080*	Communication & Computer Skills	Tonya Eddy	100
N4200*	Nursing Ethics & Law	Sarah Breier-Mackie	100
N4950*	Nursing Theory & Research	Tonya Eddy	100
N4380*	Health Assessment & Pathophysiology	Gina Oliver	100
N4580*	Evidence-based Nursing practice	Tonya Eddy	100
N4970*	Nursing in Communities	Glenda Nickel	100
N7150*	Research Methods in Nursing	Gregory Alexander	100
J8122*	Graduate Proseminar for High School Advisors	Eleanor Farnen	100
ANTHRO 2200	World Archaeology	Mark Beary	100
CL 1060	Classical Mythology	Jim Crozier	100
N8800*	Leadership and Management in Healthcare Systems	Jill Scott-Cawiezell	100
COMM 4400	Ethical Issues in Communications	Joy Piazza	100
FINPLN 2183	Personal and Family Finance	Deanna Sharpe	100
LTC 8900	Language and Culture for Educators: Myths and Realities	Yang Guo	50
LTC 8900	Language and Culture for Educators: Human Diversity	Yang Guo	50
3320	Drugs and Behavior	Dennis Miller	100
N7140*	Advanced Health Assessment & Promotion	Delilah Pennington	100
N3100*	Pharmacology for Nursing	Pamela Evans-Smith	100
N8600*	Public Health and Sociocultural Issues	Kay Libbus	100
N8120*	Community-based Public Health Interventions	Kay Libbus	100
N7130*	Clinical Pharmacology	Delilah Pennington	100
N8500*	Primary health Care Management of Aging I	Delilah Pennington	100
N8510*	Primary health Care Management of Aging II	Delilah Pennington	100
N9540	Seminar in Nursing	Jill Scott-Cawiezell	100
N8130*	Developing and Evaluating Health Programs	Connie Brooks	100
ESCP 8087*	Mental Health Preventions and Interventions for School Personnel	Jody Marshall	100
ESCP 8087*	Communication and Collaboration with Children and Families	Jody Marshall	100
ESCP 708*	Exploring Mental Health Issues in Schools	Jody Marshall	100
RA SCI 3150*	Radiological Pharmacology	Mary Sebacher	100
CP&D 2190*	Medical Terminology	Mary Sebacher	100
J7978	Media Management & Leadership	Ebony Reed	100
COMM 4473	Political Communications	William Wells	100
PP/GJ201*	Introduction to Personal Property Valuation	Margaret Olsen	100
PP/GJ202*	Personal Property Valuation Methodology: Research and Analysis	Margaret Olsen	100
ME201*	Introduction to Machinery and Equipment Valuation	Richard Berkmeier	100
ME202*	Machinery and Equipment Valuation Methodology	Richard Berkmeier	100
ESCP 8087	Issues in Early Childhood Mental Health	Lauren Brewer	100
N8610*	Diagnostics and Psychopharmacology for Mental Health Nurses	Deborah Finfgeld	100
TBD	American Sign Language	Stephanie Logan	25
N8960	Leadership Practicum	Jill Scott-Cawiezell	50
N4970	Nursing in Communities	Tonya Eddy	
Public Health 8001	Principles of Public Health	Linda Cooperstock	25
Public Health 8001	Social and Behavioral Sciences in Public Health	Deb Hume	25