# Teaching-with-Technology Day

**Center for Teaching Excellence – Academic Technology Team**  
**April 10, 2015**

<table>
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<tr>
<th>Time</th>
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| 12:00pm – 1:20pm | Lunch + Keynote Address: Design for the Mind: What Cognitive Psychology Tells Us About Teaching with Technology  
Michelle Miller, PhD, Northern Arizona University  
McIntosh (UNH 3999) | CTE (UNH 3030) – McIntosh (UNH 3999) – UNH 3218 | Hands-On Stations Skyway |
| 1:30pm – 2:15pm | Peer-to-Peer Reviewing  
Chris Finlay  
John Parrish  
Fred Ayeroff | ePortfolio + Websites  
Dermot Ryan & Melanie Hubbard  
Dean Scheibel  
Laura Massa | Online Assignments + Tests  
Trevor Zink  
Mylia Bui-Nguyen  
Erica Tartt |
| 2:20pm – 3:05pm | Learning Spaces  
Evelyn McDonnell  
Andy Rohm  
Crista Copp | Videos as Class Assignments  
Mikael Kreuzriegler  
David Scozzaro  
Matt Frank |  |
| 3:10pm – 3:55pm | Flipping the Classroom  
Jeremy McCallum  
Blake Mellor  
Dorothea Herreiner | Map-Based Instruction and GIS  
Brianne Gilbert  
Peter Auger  
Melanie Hubbard |  |
| 4:00pm – 4:45pm | Chat – Explore – Inspire  
Engage with colleagues over a cup of coffee/tea or a glass of wine on the Skyway. |  |  |

Individual presentations are generally scheduled to last 15 minutes.

Refreshments will be available on the Skyway during the sessions.

Bring your own laptop, tablet or phone, or use one of those available on the Skyway to explore different applications.

All sessions will be video-taped.
Keynote Address:

Michelle Miller, Psychology, Director of First Year Learning Initiative Northern Arizona University
Design for the Mind: What Cognitive Psychology Tells Us About Teaching with Technology
McIntosh (UNH 3999), 12:00pm - 1:20pm

Educators are all in the business of changing minds: We build new memories, guide students in developing new skills, and change student values and mindsets. With an understanding of some key principles about how the mind works, we can use an array of techniques, including instructional technology, to create learning experiences that are memorable, compelling and effective. These principles, in turn, can help instructors choose from the ever-changing and sometimes overwhelming array of instructional technologies available today.

In this address, cognitive psychologist Dr. Michelle Miller will demonstrate and explain these key principles, emphasizing the ways in which we can use instructional design and technology to best take advantage of them. Attention, memory, and higher thought processes are particularly important for instructors to keep in mind as they design learning experiences; these three areas of cognition and their relevance for the selection and use of instructional technology will be the focus of this interactive keynote.

Bio:
Michelle D. Miller is Director of the First Year Learning Initiative and Professor of Psychological Sciences at Northern Arizona University in Flagstaff, Arizona. Dr. Miller is a cognitive psychologist whose research focuses on memory and attention, psychological impacts of technology, and student academic success. At Northern Arizona University, she has shaped redesign programs including the First Year Learning Initiative and the President’s Technology Initiative. Dr. Miller has written and presented extensively on pedagogy and course design, and is the author of Minds Online: Teaching Effectively with Technology (2014, Harvard University Press). She specializes in mobilizing faculty to adopt teaching strategies that leverage principles from cognitive and brain sciences to create effective and engaging learning experiences.
Sessions:

Auger, Peter – Biology
Inexpensive, User-Friendly GPS Route Mapping Including Digital Photo Tags
Documenting where, when and what's there is often a rather daunting process using traditional GIS/GPS technology. A simple, inexpensive and intuitive GPS tracking system using a small GPS logger viewed using Google Earth freeware is described and demonstrated. Accurately tracking and documenting student field research, academic field trips and even small animal movements are demonstrated as potential system applications.
McIntosh (UNH 3999), 3:10pm – 3:55pm

Ayeroff, Fred – Screenwriting
Welcome to the 21st Century Writers' Workshop: Effective, Connective, Collective
How enabling your students to post their creative pages to your Class Blog each week, as well as enabling all classmates to post their creative responses and suggestions to each week's posted pages, can supercharge your writers' workshop.
CTE (UNH 3030), 1:30pm – 2:15pm

Bui-Nguyen, Myla – Marketing
Qualtrics Technology in the Classroom
Utilizing the Qualtrics technology in the classroom allows for additional vehicles faculty and staff can use to deliver marketing and business knowledge in such as way that is widely accepted among today's more innovative companies. As students require some technical skills in understanding marketing and buyer behavior, the application of the Qualtrics technology provides a forum which allows for much interaction between student and faculty as well hard skillsets to be acquired by students before entering the workforce.
UNH 3222, 1:30pm – 2:15pm

Copp, Crista – Academic Technology
The Brains, Bricks, and Bytes of Learning Spaces at LMU
The reorganization of our campus Learning Spaces and what it means to you. Learn about the brains (people), the bricks (physical elements), and bytes (technology) in creating LMU's learning space strategy to support the way the way students want to learn, and faculty want to teach.
CTE (UNH 3030), 2:20pm – 3:05pm
Finlay, Chris – Communication Studies

**Voice through Video? Evaluating Peer and Instructor Engagement in Multimedia Peer Review Applications**

Multiple applications allow students and instructors to use video and voice to review, collaborate and grade written work. The results of a classroom pilot in which the CritiqueIt app was used to by teams of students for a collaborative multimedia term project will be discussed. In particular, I will ask whether students themselves find that they have greater or lesser voice and incentive to engage one another through multimedia apps. This discussion is informed by the results of a qualitative student survey about their experiences in the pilot and will be illustrated through examples from their multimedia peer engagement project.

CTE (UNH 3030), 1:30pm – 2:15pm

Frank, Matt – Creative Services

**Video Across Campus: Faculty Use Cases**

Video is used as a tool by faculty in every discipline across campus. Academic Creative Services (part of Classroom and Creative Services) has supported faculty with a wide variety of video projects since its inception several years ago. Matt will talk about several project that he and his team have supported and discuss their pedagogy-first approach to making video an effective tool in the teaching and learning process and not just the hip thing to do. He will focus on how video has become the crux of lessons, assignments and projects for some faculty.

McIntosh (UNH 3999), 2:30pm – 3:05pm

Gilbert, Brianne – Urban Studies, Center for the Study of Los Angeles

**A Little Surfing, Nordstroms, and Farmers Markets…and a Whole Lot of GIS**

Imagine someone asks you where the best surf spots are in California are, or where Nordstroms should build their next store. Or maybe you are concerned about food deserts and want to organize a farmers market in a low-income area that may not have access to automotive transportation so you also need consider the location of bike paths. Whew! Where do you begin? How can you possibly consider all the different scenarios? With GIS (geographic information systems) students access the tools needed to synthesize large or small amounts information into clear, clean, and precise maps and other visual aids. This presentation starts the conversation of how we can expose our students to GIS and encourage a different style of processing information.

McIntosh (UNH 3999), 3:10pm – 3:55pm

Herreiner, Dorothea – Economics

**Flipping with Occasional Videos: Benefits and Challenges**

Having introduced flipped elements over several semesters, I flipped significant parts of my Mathematical Economics class last fall. I will report about student and my perceptions of benefits and challenges from my earlier and most recent experiences. I will show a brief examples and discuss the technical steps and challenges encountered.

CTE (UNH 3030), 3:10pm – 3:55pm
Hubbard, Melanie – Library
Mapping Shanghai
Using my current digital humanities project, the “Shanghai Project,” I will demonstrate the use of map overlays in Google Earth and discuss what I see as the pedagogical benefits of working in such an environment.
McIntosh (UNH 3999), 3:10pm – 3:55pm

Kreuzriegler, Mikael – Film & Television
Blocking and Cinematic Space: Improving Student Learning through iPhones and iPads
All our students use mobile devices in their personal lives – so why not use them in a course where students learn how to block and shoot complex master scenes in single takes? This presentation will demonstrate how the implementation of two apps, SHOTDESIGNER and ARTEMIS, helped students in the individual creative process of preconceiving such scenes, and in building teamwork in the class by allowing students to exchange and share their complex concepts prior to the complicated execution of these concepts, thereby significantly improving student achievement of learning outcomes.
McIntosh (UNH 3999), 2:20pm – 3:05pm

Massa Laura – Assessment
Portfolios for Teaching, Learning & Assessment
Portfolios are a great tool for teaching and learning, and for the assessment of that process. I’ll introduce the basics of portfolio design, the benefits of using portfolios, and share some of the more common structures for portfolios.
McIntosh (UNH 3999), 1:30pm – 2:15pm

McCallum, Jeremy – Chemistry & Biochemistry
Flipped Classroom Learning: Using Pre-Lecture Videos in Organic Chemistry
In this presentation, I will share my experiences with incorporating technology to create think-aloud videos to flip classroom learning. I will briefly discuss the technologies I use to create, share, and grade the pre-lecture assignments (Doceri, Wacom tablet, and blackboard) and the pedagogical and practical aspects to generate student buy-in and success.
CTE (UNH 3030), 3:10pm – 3:55pm

McDonnell, Evelyn – English
Rolling in the Incubator
All classrooms should be tricked out like VDA 40. I will talk about how the easy access to a diverse palette of technological tools — Smart Board, LCD screens, laptops, iPads, etc. — not to mention the great rolling desks, makes working in the Incubator Classroom a much more dynamic experience than the beige boxes of University Hall.
CTE (UNH 3030), 2:20pm – 2:55pm
Mellor, Blake – Mathematics

**Using Livescribe Pencasts to Flip Precalculus**

In this presentation I will describe my experience using pencasts to flip a Precalculus class. I will discuss the structure of the class, responses to student surveys, and measures of student achievement. I will also discuss the difficulties encountered, and reasons why flipping a class may not always be appropriate.

CTE (UNH 3030), 3:10pm – 3:55pm

Parrish, John – Political Science

**My Fellow Americans': Using Video to Self-Diagnose Oral Communication Skills**

One challenge in teaching First Year Seminar and Rhetorical Arts is providing practical instruction in oral communication, including opportunities for rehearsal, self-evaluation and feedback. This project utilized the video comment feature on a pilot revision of the “Critique It” software package to let students record themselves delivering a speech direct to camera with the aid of a virtual “teleprompter”. The primary educational benefit to students was the opportunity to observe themselves during rehearsal and immediately self-evaluate and self-diagnose their own performance according to established criteria. The instructor also reviewed each performance online and offered formative feedback.

CTE (UNH 3030), 1:30pm – 2:15pm

Rohm, Andy – Marketing and Business Law, M_School

**The Creative and Collaborative Classroom**

Our M-School experience suggests that actively engaging students inside and outside the classroom helps them to effectively understand and apply course material and concepts. In this discussion, we'll explore ways in which the new M-School creative and collaborative learning space in Von der Ahe has helped to transform classroom dynamics among students and instructors.

CTE (UNH 3030), 2:20pm – 3:05pm

Ryan, Dermot – English, Hubbard, Melanie – Library

**The Promise of Digital (Undergraduate) Research**

Dermot Ryan and Melanie Hubbard will discuss the design of The Digital Eighteenth Century, a literature course whose goal is to introduce students to a range of Digital Humanities research tools and projects. As a faculty member and a librarian trying to foster undergraduate research (UR) in the humanities, they believe that DH allows undergraduates to become active participants and stakeholders in the creation, preservation, and curation of cultural materials and practices. Their commitment to supporting UR along with the limited resources available at their institution have encouraged them to identify digital tools and projects appropriate to the undergraduate classroom.

McIntosh (UH 3999), 1:30pm – 2:15pm
Scheibel, Dean – Communication Studies
The ePortfollio as a Calling Card for Post-LMU Life
Students create electronic portfolios that will be sent to prospective employers. More personal than a resume, an ePortfolio represents the student as a feeling and passionate individual who tells a compelling story through words and images.
McIntosh (UNH 3999), 1:30pm – 2:15pm

Scozzaro, David – Literacy Education
Video, Video and... You Guessed It, More Video!
As a content delivery format, video has increasingly become more accessible to both consume and produce. Video can provide powerful messages that sometimes text, audio, and images can’t do on their own. Come see how I’ve incorporated outside video resources, my own videos, and student video assignments and projects to engage and personalize a fully online course.
McIntosh (UNH 3999), 2:20pm – 3:05pm

Tartt, Erica – Literacy Education
Inline Grading: Fast, Efficient, Paperless
Step inside MYLMU Connect and consider an alternative that may assist you in simplifying the process of grading papers and delivering feedback. Using the Inline Grader, I have been able to get rid of the multi-step process of collecting papers, grading, commenting, and delivering feedback to students and now accomplish it in one location. Learn to streamline the grading process and eliminate the need to download, comment, save to desktop, upload, and send back grades and feedback to your students all within MYLMU Connect... no paper needed!
UNH 3222, 1:30pm – 2:15pm

Zink, Trevor – Management
Mobile-Compatible Quizzes on Connect: An Easy Tool to Check Student Comprehension in Class
Many teachers use in-class paper-and-pen quizzes as a check of student reading and past material comprehension. However, paper quizzes are labor-intensive to grade, material-intensive, and, frankly, “soo 19th century.” Students in today's classrooms nearly universally come prepared with versatile, powerful devices that can replace the paper quiz--smartphones, tablets, and laptops. This session will showcase a built-in tool in MyLMU Connect, called the Mobile-Compatible Quiz, which facilitates in-class quizzes that are fun for students and effortless for you to grade. I'll share my experiences using the tool and pass on some helpful hints to give you a head start (like how to facilitate students without technology, and avoid cheating!).
UNH 3222, 1:30pm – 2:15pm
Hands-On Stations:
Try out software and hardware solutions on different computers, tablets, and mobile devices. Check out the posters and interactive demonstrations. Bring your own laptop, tablet, or phone, or use one of those available on the Skyway to explore different applications. Refreshments will be available on the Skyway during the sessions.

Box
Box is a new cloud storage solution for LMU faculty and staff. Stop by to get a quick ‘crash course’ if you haven’t had a chance to use it just yet. 
Elaine Coates & Josh Rivera
Skywalk UNH 3rd Floor

ePortfolios
There are a variety of ePortfolio platforms out in the world. Check out a few that faculty have been exploring in a pilot project with ITS. 
Nick Mattos & Jeff Schwartz
Skywalk UNH 3rd Floor

Qualtrics
Qualtrics is a powerful online surveying tool that faculty can leverage for both teaching and research purposes. Have a need to distribute surveys? Here’s your solution. 
Michelle Yeung
Skywalk UNH 3rd Floor

Furniture Showcase
Come see a variety of flexible furniture currently under consideration to put in classrooms starting this summer. Help us guide the decision making process and stop by the Showcase. 
Skywalk UNH 3rd Floor and Marymount Center