

May 5, 2016  
Arkansas Tech  
University

# Teaching Innovation Conference



**Teaching Innovation Conference, May 5, 2016**

	Rothwell Lobby	Rothwell 138	Rothwell 221	Rothwell 213	Rothwell 321	Rothwell 317	Rothwell 313	Rothwell 208	Rothwell 133
7:00 - 8:00am	Breakfast								
8:00 - 9:00am		What is effective teaching?	Creating a student-centered community of learning	Exploring free technology tools to flip classroom in the light of TPACK framework	Implementing undergraduate research in the classroom and beyond		Teaching TECH 1001		
9:00 - 10:00am		POGIL (Process-oriented guided-inquiry learning)	Universal design and inclusion: Facilitating success in the classroom	Online learning and the application of active learning strategies	Using RefWorks for organizing & writing research		Teaching TECH 1001		
10:00 - 11:00am		What is effective teaching?	Creating a student-centered community of learning		Implementing undergraduate research in the classroom and beyond		Degree Works Demo		
11:00 - 12:00pm		POGIL (Process-oriented guided-inquiry learning)	Universal design and inclusion: Facilitating success in the classroom	Online learning and the application of active learning strategies	Using RefWorks for organizing & writing research		Degree Works Demo		
					Assessment Showcase Roundtable		Conversation Room *complimentary snacks and drinks		Pics with Jerry (9:15-11:00am)

# ***Abstracts***

---

## **What is effective teaching?**

**Presenter: Lucas Maxwell, Ph.D.**

**Room: Rothwell 138**

**Time: 8:00-8:50am & 10:00-10:50am**

According to Maxwell, Vincent, and Ball (2010), "Over the past two decades, higher education in general and the college classroom in particular has shifted to a more consumer-oriented, learner centered environment with a focus on accountability (Camblin Jr. & Steger, 2000; Huber & Hutchings, 2005). Sweeping changes in the student population, the content offered, and general concern for teaching as a serious intellectual endeavor in higher education have been met with a shift in faculty focus and concern about pedagogy (Lindholm, Astin, Sax, & Korn, 2002; Stewart, 2009)." This session will look at a sample of the literature base on teaching and teaching effectively. Through reflection and group discussion, participants will identify and discuss characteristics of effective teachers as well as principles of teaching and learning. Additionally, participants will discuss the findings of a research study that addressed the phenomena of effective teaching for award winning faculty instructors. The session will conclude with an interactive discussion of the Heath and Heath (2007) article "Teaching that Sticks." It is my goal to make this a session that stimulates thoughts about effective college teaching and helps to create a dialogue regarding effective teaching at Arkansas Tech University.

## **Creating a student-centered community of learning**

**Presenter: Shellie Hanna, Ed.D. & Tim Carter, Ph.D.**

**Room: Rothwell 221**

**Time: 8:00-8:50am & 10:00-10:50am**

This session will provide instructors with various teaching tools/methods that could be used to help develop a community of learning in a student-centered classroom environment. Special attention will be given to methods that make use of social interactive approaches. Participants will gain knowledge in the differences between teacher-centered and student-centered learning methods, why students are more receptive to student-centered learning methods in today's learning environments, and how instructors can consider these aspects in their university classrooms.

# Exploring Free Technology Tools to Flip Classroom in the Light of TPACK Framework (Technology, Pedagogy, and Content Knowledge)

**Presenter: Mohamed Ibrahim, Ph.D. & Aileen J. Watts, Ed.D.**

**Room: Rothwell 213**

**Time: 8:00-8:50am**

This workshop will explore different technology tools to allow professors to flip their classroom. The use of these tools will be modeled in the light of TPACK framework (Technology, Pedagogy, and Content Knowledge). This workshop is hands-on and interactive and the presenters will share the findings of several experiments conducted to assess the use of this teaching strategy with students in college of education.

## Implementing undergraduate research in the classroom and beyond

**Presenter: Tsunemi Yamashita, Ph.D. & Newt Hilliard, Ph.D.**

**Room: Rothwell 321**

**Time: 8:00-8:50am & 10:00-10:50am**

Undergraduate research is generally seen as a capstone experience for select undergraduates in their final semesters at Tech. We propose a re-definition of “research” is needed to expand the possibilities and experiences to undergraduates. In this light, we consider undergraduate research as classroom or lab activities that emphasize data collection and interpretation, group effort, and communication of the findings to peers. We propose these activities enhance learning and critical thinking skills through personalized experiences that become components of an undergraduate’s university resume’.

# POGIL (Process-Oriented Guided-Inquiry Learning)

**Presenter: Robin Lasey, Ph.D.**

**Room: Rothwell 138**

**Time: 9:00-9:50am & 11:00-11:50am**

This session will demonstrate the use of the POGIL methodology in the classroom. POGIL uses guided inquiry – a learning cycle of exploration, concept invention and application – as the basis for many of the carefully designed materials that students use to guide them to construct new knowledge. POGIL is a student-centered strategy; students work in small groups with individual roles to ensure that all students are fully engaged in the learning process.

## Universal design and inclusion: Facilitating success in the classroom

**Presenter: Erica Wondolowski, Ph.D., CRC**

**Room: Rothwell 221**

**Time: 9:00-9:50am & 11:00-11:50am**

This session will briefly discuss the current national and University-specific statistics on disability and veteran status in higher education. The majority of the presentation will be spent exploring how to create a Universally Designed classroom including topical areas such as E-Mails, the Classroom Environment, Documents, PowerPoints, Images, Tables and Charts, Audio and Video considerations, Emergency Planning Implications, considerations for Advising, and Recruitment/Retention processes, to encourage student success. Handouts will be provided so that faculty and staff can bring the recommendations back to their given offices with the anticipated hope that they will begin implementing the model.

# Online learning and the application of active learning strategies

Presenter: Jeff Aulgur, Ed.D., Jennifer Saxton, M.A., & Annette Stuckey, M.Ed.

Room: Rothwell 213

Time: 9:00-9:50am & 11:00-11:50am

Active learning is an instructional technique that involves student engagement in the learning process through activities requiring students to digest the material and deploy it in a meaningful manner. Online learning shifts the use of active learning for adult learners from traditional classroom learning to web-based learning with the use of various technologies. This session begins with an overview of andragogy as an adult education theory, progresses through the correlation between characteristics of active learning and adult learning principles, and concludes with a participatory demonstration of applied active learning activities in the online environment.

## Using RefWorks for Organizing & Writing Research

Presenter: Brent Etzel, M.A.

Room: Rothwell 321

Time: 9:00-9:50am & 11:00-11:50am

Attend this session to learn how to use RefWorks, a web-based bibliography and database manager that allows you to create your own personal database by importing references from text files or online databases and other various sources. RefWorks can also help you format and produce your bibliography in seconds.

# ***Assessment and Institutional Effectiveness Showcase and Roundtable***

---

## **Academic Advising Roundtable**

**Presenter: Marika Lederman, M.S., Phillip Harp, M.A., Scott Tomlin, M.A., & Daniel Riedmueller, M.S.**

**Room: Rothwell 317**

**Time: 8:00-8:50am**

Academic advisors will discuss how they work with first year and sophomore students and assist them in making the transition to a major advisor. Discussion will center on how faculty and Academic Advising can work together to make this transition seamless and contribute to student success.

## **Out of many sections, one course: Effectively managing multi-section courses**

**Presenter: Erin Clair, Ph.D.**

**Room: Rothwell 317**

**Time: 9:00-9:50am**

As the Director of Composition for Arkansas Tech University, I oversee more than 250 sections of composition taught by over 50 instructors per year in a variety of formats throughout the state of Arkansas. My talk will discuss the strategies I developed and the technologies I employ to guarantee consistency among the sections, access to teaching resources, and clear communication among instructors and with the program heads. As Tech continues to grow, faculty and administrators are trying to tackle similar challenges to my own: how do I make sure multiple instructors are teaching the same course effectively when they are teaching it in different formats all across the state (face-to-face, online, concurrently, on multiple campuses, etc.)? How to I do this in a way that allows instructors the freedom to develop their best teaching methods? This is an issue that is only going to grow in size and scope as we

continue to create a new university out of our new technologies. My talk gives some ideas about how to address these issues in ways that will allow instructors the flexibility to be creative and inventive while ensuring consistency among sections.

## **Surviving the Program Review Process**

**Presenter: Jeff Aulgur, Ed.D., Chris Giroir, Ph.D., and various program faculty**

**Room: Rothwell 317**

**Time: 10:00-10:50am**

Professional Studies and College Student Personnel programs both undertook the preparation for a program review during the 2015-16 academic year and will offer their view of how to successfully maneuver the process.

## **Biology Department Program Outcomes Roundtable**

**Presenter: Jackie Bowman, Ph.D., Ivan Still, Ph.D., Cynthia Jacobs, DVM, and Eric Lovely, Ph.D.**

**Room: Rothwell 317**

**Time: 11:00-11:50am**

The Biology Department has begun the process of reviewing and rewriting their program outcomes. They will discuss the process that they have followed.

# ***Teaching TECH 1001***

---

**Presenter: Linda Hensen-Jackson, M.S.**

**Room: Rothwell 313**

**Time: 8:00-8:50am & 9:00-9:50am**

This session is designed for faculty selected and assigned to teach the Tech 1001 course in Fall 2016. Faculty will meet the new coordinator of the course, Linda Hensen-Jackson, who will briefly explain the trends in this course over the last three years, and describe some of the changes in the curriculum for Fall 2016. Faculty will then participate in an open discussion about the challenges and successes in teaching this course, with a focus on finding solutions to challenges.

# ***Office of the Registrar***

---

## **Degree Works Demonstration**

Room: Rothwell 313

Time: 10:00-10:50am & 11:00-11:50am

## ***Additional Offerings***

---

### **Breakfast**

Room: Rothwell Lobby

Time: 7:00-8:00am

### **Conversation Room (complimentary snacks and drinks)**

Room: Rothwell 208

Time: 8:00am-noon

### **Pictures with Jerry**

Room: Rothwell 133

Time: 9:15am-11:00am