



UNIVERSITY OF  
CENTRAL  
ARKANSAS™

# DEPARTMENT OF MATHEMATICS SEMINAR

**Speaker:** Dr. Jason Martin  
UCA Department of Mathematics

**Title:** Lessons Learned Coordinating Calculus

**Date:** Wednesday, November 9, 2016

**Time:** 2:00 p.m.

**Place:** MCS Room 220

**ABSTRACT:** In this talk I detail lessons learned while serving as the Calculus 1 Coordinator and Supervisor at Oklahoma State University (OSU). I was the first Calculus Coordinator at OSU who specifically researches calculus education. This was one of many intentional moves by OSU over the years to improve their calculus program. Some of these moves were informed by a recent national study conducted by the MAA on the state of calculus within colleges and universities (e.g. Bressoud et al., 2013). I will begin by detailing these moves that OSU has made over the years that may be of interest to UCA, such as the creation of placement exams. I will also detail some of my duties and what I learned from gathering large sets of data on student performance at OSU. Furthermore, I will demonstrate what I was able to accomplish for OSU and UCA. In conclusion, I will discuss how my current and future research, such as virtual manipulatives and video design, fits in with the MAA's results and with potential future directions of our mathematics' department.

Refreshments will be served.