

**TITLE: Empowering Anytime Anywhere Learning with Study Mate by Respondus and TechSmith's**

**Camtasia Studio**

**# I.1: PRESENTER:** Ann Petrus

**SESSION TYPE:** Faculty

**TIME:** 1:00 – 1:15

**INSTITUTION:** Our Lady of the Lake University

**RANK:** Faculty

**AUTHORS:** Dr. Ann Petrus and Dr. Kimberly Gibson

**ABSTRACT:**

This session will demonstrate how a math professor and an instructional designer are using a flash-based study tool program and a relatively inexpensive screen capture program to create engaging and effective multimedia learning supplements that students can access on a computer or download to an MP3 player. The presentation will showcase some of the learning supplements and provide attendees with detailed instructions for creating their own multimedia productions.

**TITLE: Making Mathematics Portable: A Model for Integrating Mobile Learning in Undergraduate Mathematics**

**# I.2: PRESENTER:** John Ehrke

**SESSION TYPE:** Faculty

**TIME:** 1:20 – 1:35

**INSTITUTION:** Abilene Christian University

**RANK:** Faculty

**AUTHORS:** John Ehrke

**ABSTRACT:**

In the fall of 2008 ACU distributed Apple iPhones and iPod touches to incoming freshmen essentially ushering in the age of mobile learning on the campus. In many ways this new technology signals the changing of the guard in the way students integrate technology and learning. What does this mean for undergraduate mathematics education? In this talk we explore the uses of mobile technology in creating a more accessible and ultimately more portable form of undergraduate mathematics education.

**TITLE: Lessons Learned: Why Holding Students Accountable Helps them Succeed**

**# I.3: PRESENTER:** Vivian Martinez

**SESSION TYPE:** Faculty

**TIME:** 1:40 – 1:55

**INSTITUTION:** Coastal Bend College

**RANK:** Faculty

**AUTHORS:** Vivian Martinez

**ABSTRACT:**

While many agree that technology helps students learn and improve mathematics skills no program can work if the student doesn't use it. This presentation will explore how holding students accountable for their work will help them succeed in the course. We will discuss lessons learned from incorporating software in mathematics courses at Coastal Bend College explaining what the school has done to implement the system discuss how it works and how it has improved student learning give statistics on grade improvement and offer tips and advice on how to successfully implement software in math courses.

**TITLE: Proof Via Tessellation**

**# I.4: PRESENTER:** David Huckaby

**SESSION TYPE:** Faculty

**TIME:** 2:00 – 2:15

**INSTITUTION:** Angelo State University

**RANK:** Faculty

**AUTHORS:** David A. Huckaby

**ABSTRACT:**

The Van Hiele's developed a model of five levels through which students progress as they learn geometry. For some geometry topics tessellations can be a powerful tool to advance students through the first three levels. Rich with the geometry of parallel lines tessellations can carry students from a basic recognition of shapes to the verge of a formal proof.