

CENTRAL MICHIGAN UNIVERSITY

Department of Mathematics

GRADUATE STUDENT SEMINAR

Tuesday, April 21, 4:00 pm - 5:00 pm
Pearce Hall, Room 227

ROBERT CHAMBLIN
Central Michigan University

CLASSROOM CLIMATE AND MATHEMATICS SELF-EFFICACY

Student self-efficacy in mathematics is defined as the student's belief that they can achieve their goals in mathematics. In this talk, I will share the results of a pilot study designed to examine how the mathematics self-efficacy of different students has been influenced by their experiences in the classroom. Initial results indicate that student self-efficacy in mathematics is affected by teacher support and group work.

DAVID GROLLIMUND
Central Michigan University

THE DEVELOPMENT OF TPACK IN PRE-SERVICE MATHEMATICS TEACHERS

The technological, pedagogical, and content knowledge (TPACK) framework describes how technological knowledge can be included in Shulman's (1986) pedagogical and content knowledge (PCK). In this talk, we will discuss some preliminary results from a pilot study designed to explore how and to what degree each TPACK component contributes to the overall formation of TPACK in students taking a mathematics methods course for secondary education teachers.