Announcing
A Colloquium Presentation
March 5, 2012 at 1:00 pm
Southern Hall 303
at The University of Southern Mississippi

Speaker: Rejoice Mudzimiri
Montana State University

Title: Technological Pedagogical Content Knowledge (TPACK) Development in Pre-service Secondary Mathematics Teachers

Abstract:
TPACK can be described as the integrated knowledge of technology, pedagogy, and content that teachers need in order to teach with technology. This research study is a multiple case study in which the development of TPACK was tracked in five pre-service secondary mathematics teachers for 15 weeks. These pre-service teachers were enrolled in three courses that were taught in collaboration: Mathematical Modeling for Teachers, Methods for Teaching Grades 9–12 Mathematics, and Practicum. Data collected for this study included (a) lesson plans, materials and videos of teaching episodes; (b) a TPACK survey; (c) Mathematics and Teaching Philosophies; and (d) Exit Interviews. In this presentation, I will focus on results from the lesson plans, materials and videos of teaching episodes and present some findings of interest.

Further Information
Refreshments are served from 12:45 pm until 1:00 pm in Southern Hall 303.