

Department of Mathematics and Statistics Colloquium

## Research Presentation

Mathematics Education Candidate

**Abstract:** My research trajectory has stemmed organically from the questions I have raised through my teaching experiences, both at the K-12 and university levels. The primary focus of my research to date has been preservice teacher (PST) knowledge and beliefs for effective mathematics teaching. I am particularly interested in the use of student work and formative assessment in developing PSTs' (and practicing teachers') knowledge and beliefs, which is engendered by my situative view of learning (Borko, 2004). I have utilized the Mathematical Knowledge for Teaching (MKT) theoretical framework (Hill, Ball, & Schilling, 2008) and the beliefs about mathematics and mathematics understanding and learning (IMAP beliefs) framework (Philipp et al., 2007) to guide my work. This presentation will show this trajectory as well as highlight my dissertation study and future research directions.

Monday, December 2 at 2:30 in Roop 103

Refreshments at 2:15