



# DEPARTMENT OF MATHEMATICS

## SEMINAR

**Speakers:** Dr. James Fetterly  
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**Title:** Investigating Pre-service Teachers' Knowledge of Writing Word Problems for Given Fraction Number Sentences

**Date:** Wednesday, March 15, 2017

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

**Place:** MCS Room 220

**ABSTRACT:** This study uses qualitative data to examine pre-service teachers' knowledge of writing word problems for given fraction number sentences. It is more challenging for teachers to write a word problem for a given fraction number sentence than to solve a given fraction number sentence (Ma, 1999). In the light of existing studies this study aims to achieve three goals. One goal is to re-examine the errors pre-service teachers make when they write word problems for given fraction number sentences. Another goal is to investigate pre-service teachers' misconceptions, which cause these errors. And the third goal is to investigate whether there is an improvement on pre-service teachers' knowledge of writing story problems. By examining the word problems written before and after instruction, we will be able to identify what type of errors are eliminated and what type of errors still need more investigation.

Refreshments will be served.