

Minnesota State University Moorhead

MATH 616: Teaching Mathematics at the College Level

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course is designed to examine mathematics teaching methods at the college level. Students will distinguish different expectations between high school mathematics courses and college level mathematics courses. Current research on mathematical mindsets will be investigated on how they can be applied to college level course work.

B. COURSE EFFECTIVE DATES: 02/01/2017 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Contrast common college policies addressing difficult matters such as late work, extra credit, cheating to high school policies.
2. Design instruction that utilizes the inductive and deductive methods in the teaching of mathematics.
3. Prepare homework for a unit evaluating how much and what to grade that is appropriate for college freshmen.
4. Read and evaluate actions in case studies involving college mathematics topics.
5. Students will select and summarize three articles/chapters on current research on mathematical mindsets.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted