

Bemidji State University

MATH 4410: Introduction to Analysis

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Functions, sequences, and properties of limits. Topics from calculus including continuity, differentiation, and integration. Open and closed sets, cluster points, and other topological properties. Prerequisites: MATH 2210 and MATH 2472.

B. COURSE EFFECTIVE DATES: 07/31/2012 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Continuity
2. Differentiation
3. Integration
4. Limits
5. Sequences

D. LEARNING OUTCOMES (General)

1. deepen their understanding of one-variable calculus, via a concentrated study of the proofs of the theorems related to the calculus.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted