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