Bemidji State University

MATH 2480: Multivariable Calculus

A. COURSE DESCRIPTION
   Credits: 4
   Lecture Hours/Week: 0
   Lab Hours/Week: 0
   OJT Hours/Week: *
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   Three dimensional analytic geometry, spherical, and cylindrical coordinate systems, vectors, partial derivatives, and multiple integrals. A graphing calculator is required. Prerequisite: Successful completion of MATH 2472.

B. COURSE EFFECTIVE DATES: 08/21/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Vectors
   2. Vector-valued functions
   3. Functions of two or three or more variables
   4. Differentiation and integration of such functions

D. LEARNING OUTCOMES (General)
   1. conduct a vector analysis.
   2. understand the three-fold approach to learning mathematics: analytical, numerical, and graphical.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted