

# Minnesota State University Moorhead

## **MATH 227: Advanced Mathematics for Business and Social Sciences**

### **A. COURSE DESCRIPTION**

Credits: 4

Lecture Hours/Week: 4

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Review of topics in college algebra with emphasis on solving systems of equations with unique solutions, under determined and overdetermined systems. Introduction to matrices, multiplication of matrices and inverse of a square matrix with emphasis on systems of equations and applications. Derivatives, applications of differentiation and optimization. Not open to mathematics majors or minors. Must have successfully completed MDEV 127 or acceptable placement score. MnTC Goal 4.

**B. COURSE EFFECTIVE DATES:** 02/17/2013 - 10/06/2013

### **C. OUTLINE OF MAJOR CONTENT AREAS**

None

### **D. LEARNING OUTCOMES (General)**

None

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

None

### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

### **G. SPECIAL INFORMATION**

None noted