Syllabus for MA 103, Finite Mathematics
Fall 2005

Instructor: Qinghong Zhang
Office: New Science Facility: Room 1133
Email: qzhang@nmu.edu
Tel: 227-1511
Office Hours: 12:00—1:00, 3:00—4:00 MWRF, and by appointments
Class Time: 11:00—11:50, MWRF
Place: JXJ 213

This course satisfies the Foundations of Natural Science/Mathematics requirement.

Students who complete this course should be able to demonstrate a basic understanding of mathematical logic; use mathematics to solve scientific or mathematical problems in college classes; express relationships in the symbolic language of mathematics; and appreciate the role of probability and statistics in analyzing natural phenomena.

Course Description: Linear functions, operations and applications of matrices, system of linear equations, linear programming, mathematics of finance, counting principle, permutations and combinations, probability theory, and introduction to statistics.

Prerequisite: A grade of **C-** or better in MA100, or satisfactory score on the Math Placement Exam.

Textbook: Finite Mathematics, 10th Edition by Raymond A. Barnett, Michael R. Ziegler, and Karl E. Byleen.

Software: TI Interactive graphic software can be loaded to your ThinkPad for free at the Help Desk in LRC.

Attendance: Students are expected to attend all the classes. Attendance will be taken at the beginning of the class.

Homework, Quizzes and Tests: Homework will be assigned for each class. Quizzes will be given on Fridays. I will drop the 2 lowest quiz scores. There will be four tests tentatively scheduled for 09/16/04, 10/07/04, 10/28/04 and 11/18/04, and a two-hour final exam (12/12/05) during the final exam week. Each test counts 15% toward the final grade. The final exam counts 25%. Quizzes will be the remaining 15% toward the final grade. It is important to take the quizzes and exams at the scheduled time. Generally, no make-ups will be given.

Grading: 90%—100% is an A. 80%—89% is a B, etc.

Disabilities: If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Disability Services Office at 2001 C. B. Hedgcock (227-1700; TTY 227-1543). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.