

## **SYLLABUS FOR MA 103, FINITE MATHEMATICS**

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Office Hours: 8:30 – 8:50 A.M.; 11:00 – 11:50 A.M., except Tuesday, Friday

Text: Finite Mathematics, second edition, by Berresford and Rockett

### Course Description and Overview:

This course is designed primarily for students in business and the social sciences and psychology. MA 103 builds on algebraic skills learned in MA 100 or equivalent courses. There are three main components to the course: theory of interest (Chapters 1 and 2), linear programming (chapters 3 and 4), and probability (chapter 5). We do not have time in this course to cover each of these topics in depth. Therefore, the course consists of a brief introduction to each of these subjects. More advanced courses cover each of these topics in greater detail.

#### Theory of Interest:

Chapter 1, Sections 1.1 – 1.6

Chapter 2, Sections 2.1 – 2.4

#### Linear Programming:

Chapter 3, Sections 3.1 – 3.3

Chapter 4, Sections 4.1 – 4.2

#### Theory of Probability:

Chapter 5, Sections 5.1 – 5.6

Tentative Exam Schedule, (Fairly definite, but subject to change):

Exam 1, Thursday, 09/04/08, Sections 1.1 – 1.6.

Exam 2, Thursday, 09/25/08, Sections 2.1 – 2.4.

Exam 3, Thursday, 10/09/08, Sections 3.1 – 3.5.

Exam 4, Thursday, 10/23/08, Sections 4.1 – 4.2

Exam 5, Thursday, 11/06/08, Sections 5.1 – 5.4.

Exam 6, Tuesday, 12/02/08, Sections 5.5 – 5.6.

Final Exam, Monday, 12/08/08, 10:00 A.M.

Grading:

The grade on the final exam will be entered as four grades. Therefore, there will be a total of ten exam grades at the end of the course. The lowest two of these ten grades will be dropped and a numerical average taken of the remaining eight exam scores. The usual grading scheme will be followed: 93 – 100 is an A; 90 – 92 an A-; 87 – 89 a B+; 83 – 86 a B; 80 – 82 a B-; 77 – 79 a C+; 73 – 76 a C; 70 – 72 a C-; 67 – 69 a D+; 63 – 66 a D; 50 – 62 a D-; less than a 50, an F. This scheme of grading is a minimum guarantee. The grading may be a little more liberal than indicated above.

**Laptop Policy: The use of laptops and other electronic devices, except for hand held calculators, will not be permitted during exams. When you are in class, I expect your undivided attention. Therefore, the use of laptops during class periods is not permitted.**

**Note: This course satisfies the Foundation of Natural Sciences/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 mathematics in analyzing natural phenomena.**

**Disability Services:**

**If you have a need for disability related accommodations or services, please inform the Coordinator of Disability Services in the Disability Services Office by coming into the office at 2001 C.B.Hedgcock, or calling 227-1700, or e-mailing [disserv@nmu.edu](mailto:disserv@nmu.edu). 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.**