

**MA103**  
**FINITE MATHEMATICS**  
**4 credits**

## **SYLLABUS**

Prof. David J. Powers

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Course Web Site: Web-CT <http://webct.nmu.edu/>

Office Number: NSF 1306

Office Phone: 906-227-2501

Office Hours: Refer to Web-CT Icon

(\*\* other times by appointment \*\*)

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### **Course Description and Overview**

This course is designed primarily for students in business, the social sciences and psychology. MA103 builds on the algebraic skills of MA100 while emphasizing applications, models, and decision-making from business, social and natural sciences, medicine, and other areas. The applications, which are presented in a realistic context, require a variety of problem solving approaches.

MA103 satisfies the Foundations of Natural Sciences/Mathematics requirement (Division III). Students who complete this course should be able to demonstrate a basic understanding of mathematic 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.

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### **Text**

- FINITE MATHEMATICS, by Berresford & Rockett.
  - MA103 Formula Sheets
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### **Other Materials**

- Graphing Calculator; TI-86 recommended

OR

- Laptop with Graphing Software, such as, TI InterActive
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## **Laptop & Other Electronic Devices**

Laptops and other electronic devices **cannot** be used during class lectures. A calculator or laptop should be brought to class **everyday**. Calculators/laptops will be used for in-class exercises as indicated by your instructor.

Laptops can be fixed at Micro Repair/ Help Desk (x2468).

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## **Class Room Participation & Behavior**

It is expected that all students will add to the educational process through their class participation. Students who behave in a manner detrimental to the classroom learning environment will be penalized by having points subtracted from their raw score.

Examples of such behavior include:

- Using laptops and other electronic devices during class lectures
  - Talking or socializing during class lectures
  - Making negative comments or gestures towards other class members or your instructor
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## **Prerequisite**

C- or better in MA100 or equivalent

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## **Tentative Schedule**

Chapters 1 thru 6 will be covered. Some sections in these chapters may be omitted.

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## **Homework**

Homework assignments are provided for each section of study. Homework is for your benefit and does not need to be submitted.

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## **Tests**

There will be a chapter test for each chapter and a Comprehensive Final Exam.

The test schedule will be announced in class. All testing will be proctored and closed book. *You will need your laptop/calculator and a pen/pencil during tests.*

Bookstore MA103 Formula sheets may be used during testing. *Formulas do not need to be memorized.*

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## **Make-up of Missed Work**

Make-up of missed tests will be allowed if you contact me prior to the absence ***and*** you have a valid excuse.

**No** make-up of quizzes or in-class assignments will be allowed. Your attendance in this class will affect your final grade.

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## Personal Contact

I am very interested in what is happening with my students and I appreciate when you inform me of situations with could affect your attendance and/or performance in my class. However, please do not explain your class absences or other personal problems to me in the classroom (before or after class). Please use one of the following ways to inform me of personal items:

- meet me in my office during my office hours (NSF 1306)
- use my office phone, 906-227-2501 (leave a voice message)
- e-mail me at dpowers@nmu.edu

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## Expectations

1. You are expected to attend and fully participate in all classes for which you are enrolled (*Student Handbook*). The course schedule will not be adjusted to conform with your personal schedule. You will not get any credit for being absent.
2. You can expect to be graded on the same basis as everyone else in this class. Your grade will be solely based on your academic performance in this class.
3. You are expected to do your own work. You are responsible for the completion of assignments, not your instructor.
4. You are expected to have all the resources you need to function in class. Do not expect your classmates or instructor to supply textbooks, laptops, etc. Resources may not be shared during testing.
5. You are expected to spend time outside of class working on this course.
6. You are expected to become familiar with instructional objectives, course requirements, and methods employed in determining the course grade. You are also responsible for familiarizing yourself with the course syllabus and completing all the requirements of the course (*NMU Student Rights and Responsibilities .02 Student Responsibility*).

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## Grading

- 60% -- 6 Chapter Tests
- 20% Quizzes and Special Assignments
- 20% Final Exam (Comprehensive).

**Grades:** Grades are assigned based on the % of total points obtained as follows:

A 92-100 ..... C+ 77-79

A- 90-91 ..... C 73-76

B+ 87-89 ..... C- 70-72

B 83-86 ..... D+ 67-69

B- 80-82 ..... D 63-66

F 0-62

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**Disabilities Services:** 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. Hedcock (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.