MA103 (Web)
FINITE MATHEMATICS
4 credits

SYLLABUS

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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 mathematics in analyzing natural phenomena.

Text

- FINITE MATHEMATICS 2nd Edition, by Berresford & Rockett
- MA103 Formula Sheets
- Graphing Calculator; TI-85/TI-86 recommended

OR

- Laptop with Graphing Software, such as, TI InterActive

All these materials are available at the NMU bookstore. If it is inconvenient for you to go to the NMU bookstore, you can have the bookstore send you the required textbooks and materials for the additional cost of postage.

Prerequisite

C- or better in MA100 or equivalent

Tentative Schedule

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

Homework

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

Tests

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

You are expected to finish all the required tests including the Final Exam by the end of the semester. This means you should take a Chapter test about every 2 weeks to stay on schedule. You may finish early, but you must finish by April 27, 2009. **No extensions will be given (no exceptions!).**

Also, be aware of the following test dates:

Tests 1-3 must be completed by Feb. 25, 2009

Tests 4-6 must be completed by April 27, 2009

Final Exam must be completed by April 27, 2009

All testing will be proctored (supervised) and closed book. *You will need your laptop/calculator, formula sheets and a pen/pencil during tests.* **No other materials are allowed!** Please note that you are **not** allowed to mark-up your Formula Sheets with *"special notes"*.

You may have your tests proctored or supervised by your instructor, a proctor or the Math Department. If you are taking tests remotely, you must set-up a proctoring arrangement with your instructor (dpowers@nmu.edu). When you are ready for your first test, please contact your proctor.

Tests are password protected. In order to take a test, you must obtain the password from your proctor.

**** Note: You will receive an automatic F for this course**

- If you obtain a password from someone other than your proctor (for example, from another student).
- If you provide a password to another student.
- If you take a test without the supervision of your proctor.

Expectations

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*).

Grading

- 80% -- 6 Chapter Tests
- 20% Final Exam (Comprehensive).

There is **no** extra credit and all test scores are included in the calculation of your average score.

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

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 by: coming into the office at 2001 C. B. Hedgcock; calling 227-1700; or e-mailing 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.