MA 103 FINITE MATHEMATICS
Winter Semester, 2002
M–T–W–Th, 9:00–9:50 A.M., West 1706

Prerequisite: MA 100, with a grade of C– or better, or satisfactory score on Math Placement Exam.

Instructor: Professor John O. Kiltinen

Office and Contact Info: NSF 1127 Tel. Nos: 227–1600 (my office) or 227–2020 (Dept. office)
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Office Hours: 10:00–10:50 a.m., M–T–W–Th
I am in and out of the office throughout the day and am willing to meet with students who drop in at other times if whatever I am doing can be set aside. To be sure I will be there when you can come, make an appointment.

Required Materials:
Textbook: FINITE MATHEMATICS, Geoffrey C. Berresford and Andrew M. Rockett, Houghton Mifflin, 2001. **Computer and Calculator:** We will make use of the TI Interactive software that comes installed on the laptop computers students lease from NMU. It is not required, but it will be convenient for students if they also have a graphing calculator. The in-class instruction, homework assignments, and tests will require the use of a the TI Interactive software or a graphing calculator.

Course Content:
The course will cover topics found in Chapters 1 through 5 in the text. The topics covered wil include the basic ideas of functions and how they describe phenomena in the world, linear functions, exponential and logarithmic functions, the mathematics of finance, introductory linear algebra and matrices, an introduction to linear programming, sets, Venn diagrams, and tree diagrams, introductory combinatorics, and introductory probability.

Course Grade:
Course grades will be based on scores on 6 to 8 unannounced quizzes, 4 hour exams and a final exam. The two lowest quiz scores will be thrown out, and the remaining quiz scores will together be equivalent to an hour exam. The final exam will be equivalent to two hour exams. The final grade will be based upon the average of the best 6 of the 7 scores resulting from the quiz average, the 4 hour exams and the final exam, counted double. [Note: The throw-away grade can be half of the final exam.] The grading scale will be absolute: A: [93,100]; A–: [90,93); B+: [87,90); B: [83,87); B–: [80,83); C+: [77,80); C: [73,77); C–: [70,73); D+: [67,70); D: [63,67); D–: [60,63); F: [0,60).

Make–up Policy:
Quizzes cannot be made up. A missed quiz will be a zero, and will have to be one of your throwaway quizzes. Hour exams can be made up for valid reasons of health or family emergency. Prior notification of your missing a test is expected whenever possible.

Attendance Policy:
Regular attendance at class is expected, and is essential for success in the course.

Schedule:
A daily schedule will be prepared and given out. It will be followed reasonably closely. Coverage of topics may vary up to a few days from the dates indicated. Test dates, however, will remain fixed. It is expected that students will work the assigned problems. Again, this is essential for success in the course.

Special Needs: If you have a need for disability-related accommodations or services, please inform your professor or the Office of Student Support and Disability Services at 1104 University Center (phone: 227-1737). 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.

MA 103 Finite Mathematics Daily Schedule

Date		Sections	Problem Assignment
Jan.	12	1.1	p. 13: 1-61 (odd)
	13	1.1, 1.2	p. 15: 63-75 (odd)
	14	1.2	p. 28: 1-97 (odd)
	15	1.3	p. 44: 1-63 (odd)
	19	1.3, 1.4	p. 46: 65-85 (odd)
	20	1.4	p. 61: 1-75 (odd)
	21	1.5	p. 72: 1-35 (odd)
	22	1.5, 1.6	p. 87: 1-41 (odd)
	26	1.6	
	27	Review for Test 1	p. 80: 1-31 (odd)
	28	Test 1	
	29	Discuss Test 1	
Feb.	2	2.1	p 107: 1-45 (odd)
	3	2.1	
	4	2.2	p. 123: 1-29 (odd)
	5	2.2	p. 124: 31-59 (odd)
	9	2.3	p. 136: 1-23 (odd)
	10	2.3	p. 136: 25-43 (odd)
	11	2.4	p. 146: 1-23 (odd)
	12	2.4	p. 148: 25-47 (odd)
	16	3.1	p. 170: 1-39 (odd)
	17	3.1, 3.2	p. 171: 41-65 (odd)
	18	3.2, 3.3	p. 185: 1-79 (odd)
	19	3.3	p. 201: 1-69 (odd)
	23	Review for Test 2	
	24	Test 2	
	25	Discuss Test 2	
	26	3.4	p. 218: 1-49 (odd)
Mar.	2-5	Mid-semester break. No Classes.	

Date		Sections	Problem Assignment
Mar.	8	3.4	p 219: 51-99(odd)
	9	3.5	p. 233: 1-49 (odd)
	10	3.5	p. 235: 51-79 (odd)
	11	3.6	p. 248: 1-19 (odd)
	15	3.6	p 250: 21-39 (odd)
	16	4.1	p. 275: 1-29 (odd)
	17	4.1	p. 277: 31-39 (odd)
	18	4.2	p. 290: 1-29 (odd)
	22	4.2, 4.3	p. 292: 31-39 (odd)
	23	4.3	p. 314: 1-39 (odd)
	24	Review for Test 3	
	25	Test 3	
	29	Discuss Test 3	
	30	5.1	p. 393: 1-39 (odd)
	31	5.1	
Apr.	1	5.2	p. 406: 1-43 (odd)
	5	5.2	p. 408: 45-71 (odd)
	6	5.3	p. 420: 1-49 (odd)
	7	5.3, 5.4	
	8	5.4	p.. 432: 1-29 (odd)
	12	5.5	p. 438: 1-15 (odd)
	13	5.5, 5.6	p. 452: 1-57 (odd)
	14	5.6	
	15	Review for Test 4	
	19	Test 4	
	20	Discuss Test 4	
	21	Review for Final Exam	
	22	Review for Final Exam	

Final Exam Monday, April 26, 8:00 - 9:50 A.M.