

MA 110.105 FINITE MATHEMATICS Spring 2004

MWF 1:25-2:15 p.m. ILB 430

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Office hours: MW 2:20-3:20 p.m., F 12:15-1:15 p.m., and by appointment
Course homepage: www.southalabama.edu/mathstat/personal_pages/sadovska/110/110.html

Prerequisites. Two years of high school algebra and one year of high school geometry.

Text. *Mathematics: A Practical Odyssey* by Johnson and Mowry (5th edition).

Objectives. The primary goal of this course is to expose students to topics in mathematics that are usable and relevant to any educated person. The course introduces a few of the main ideas in finite mathematics and their applications to real-world problems.

Coverage. The course covers most of Chapters 1-4, and parts of Chapter 7. Topics include logic, sets, counting, probability, statistics, and Markov chains.

Calculator. The course is designed to stress numerical understanding. You are expected to utilize a calculator. Your calculator should have at least the capabilities of a TI-30.

Attendance policy. Regular attendance is expected. If you miss a class, get the notes from a classmate (or read the corresponding section of the book carefully) and be sure to do the assigned homework. Habitually absent students lose privileges: e.g. office hours and grading appeals.

Exams. There will be two in-class exams and a two-hour final exam. Exam 1 will cover Chapters 1 and 2, Exam 2 – Chapter 3 and the beginning of Chapter 4. The final will be cumulative, but the material of Chapters 4 and 7 will be emphasized.

Exam 1:	Monday, February 16.
Exam 2:	Monday, March 29.
Final Exam:	Wednesday, May 5, 1-3 p.m.

All students must plan to take the exams at the scheduled times. There will be no make-up exams. If you miss a midterm exam for *unavoidable reasons*, such as illness or a family emergency, the midterm score will be replaced by $\frac{2}{3}$ of the final exam score. Otherwise, the score for the missed test will be zero. **Note:** Books and notes cannot be used on *any* tests. You are allowed one 3" by 5" note card for each midterm and up to three 3" by 5" note cards for the final exam.

Homework. Daily homework will be assigned for each section we cover. These assignments will not be collected, but in order to do well in the class, you must keep up with the daily assignments. I also encourage you to read before the class the section of the book that we are going to cover.

Quizzes. There will be a quiz each Wednesday, except for the exam weeks. Quiz problems will be similar to (and sometimes identical to) previously assigned homework problems. There will be no make-up quizzes, but the two lowest scores will be dropped.

Final grade computation. Your final score will be calculated as follows:

Quizzes:	30%
Exam 1:	20%
Exam 2:	20%
Final Exam:	30%

Your letter grade will be determined according to the following scale:

A :	at least 90%
B :	at least 80% but below 90%
C :	at least 70% but below 80%
D :	at least 60% but below 70%
F :	below 60%

Notification of course grades. Final grades will be available on PAWS. Do not call the mathematics department to ask about your grade. I will not give grades over the phone or email.

Departmental tutoring. Free tutoring is available from the Department of Mathematics and Statistics. Please check the bulletin board outside ILB 325 for details.

Placement Exam. You are required to take the Mathematics Placement Exam prior to 6:00 a.m., January 20 at

<http://www.southalabama.edu/mathplacement/>

The result *will not* affect your placement in this course or your admission status to the university.

Dropping. The final drop date is April 9. Please speak to me if you are getting behind. Also talk to me before making a final decision to drop.

Disclaimer. The requirements and the policies may be modified as circumstances dictate. Such changes will be provided to the students in class and in writing.

Academic accommodations. If you have a specific disability that qualifies you for academic accommodations, please notify me and provide certification from the Office of Special Student Services. This office is directed by Ms. Bernita Pulmas and is located in the Student Center, Room 270, Phone 460-7212.

I look forward to having you in class.

Keep up, come to class, and let me know if you have any questions or concerns.