

MATH 112: Introduction to Contemporary Mathematics Spring 2016 Syllabus

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Lectures: Tuesday, Thursday 2:30 - 3:45 (pm) in Swenson 3009.

Office Hours: Monday, Wednesday, Friday 9:00 - 10:50 (am) in Swenson 3024

Text: *Excursions in Modern Mathematics* (seventh edition) by Peter Tannenbaum. Prentice Hall

Course Description: A liberal arts mathematics course presenting mathematics as a tool used by a wide range of professionals in modern society. Real-life examples are used to promote understanding of mathematics and its relationship to other areas of study. Mathematical problem solving is shown to influence everything from the success of savvy entrepreneurs to the fairness of voting practices. Examples such as the Traveling Salesman Problem and Arrow's Impossibility Theorem are taken from management science, statistics, social science and computer science. MATH 095 is recommended.

Attendance: Attendance is expected everyday. Part of your grade will be determined on class participation. This means you need attend class as much as possible.

Calculator Policy: Calculators are *not* allowed on exams.

Notes: During lecture you will be expected to take notes. If you miss a day of class be sure to get notes from a fellow classmate.

Homework: The best way to understand mathematical concepts is to practice them. Homework exercises will be assigned on a regular basis. The two lowest homeworks will be dropped and will not be calculated into your final grade.

Exams: There will be two exams and one final exam. They will be closed book and closed notes. Make up exams will only be given in exceptional circumstances and will require prior approval of the instructor. In emergency situations (medical, etc.), a note from a physician will be required. If absences at exams are not adequately documented, the student will receive 0 points. *There will be NO make-up final exam.*

Exam Dates:

- **Exam 1:** Thursday February 18th, in class.
- **Exam 2:** Thursday April 14th, in class.
- **Final:** Thursday May 12th 1:30 to 3:30.

No Class: Be aware that there will be no class **March 14 through March 18** due to Spring Break.

Grading: The overall course grade will be determined from homework assignments, quizzes, two in class exams and a comprehensive final exam. Grades will be determined in the following way:

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|-----------------------------------|----------------------|
| • Class Participation 10%. | A: 90% - 100% |
| • Homework: 25%. | B: 80% - 89% |
| • Exams 1,2: 20% each. | C: 70% - 79% |
| • Final Exam: 25%. | D: 60% - 69% |
| | F: 0% - 59% |

Plus and minus grades will be awarded to students within two percentage points of a grade.

Learn @UW-Superior: I will *not* be using Learn @UW-Superior. Your grade can be calculated using the breakdown given above.

Extra Help: The math lab is a source for free mathematics tutoring. For the schedule and details see <http://www.uwsuper.edu/support/services/math-lab.cfm>. They are located in Swenson 1024.

Disabilities Accommodation: Students with documented medical disabilities, as covered under the 1990 ADA, will be reasonably accommodated once the student has provided the instructor a signed copy of the FAF (Faculty Accommodation Form) provided by Disabilities Support Services (DSS). Since accommodations are not retroactive, students must identify themselves and their reasonable accommodation needs (via FAF) to the instructor at the beginning of each semester accommodations will be needed, or within a reasonable period of time before the accommodations will be required. The DSS office is located in 1024 Swenson Hall. Questions related to DSS accommodation-related needs may be made by calling 394-8515 or e-mailing disability@uwsuper.edu

University Policies: The University of Wisconsin-Superior is dedicated to a safe, supportive and nondiscriminatory learning environment. It is the responsibility of all undergraduate and graduate students to familiarize themselves with University policies regarding special accommodations, academic misconduct, religious beliefs accommodation, discrimination and absence for University sponsored events. For details of the Student Disciplinary Procedures:

- Academic Misconduct Disciplinary Process (Chapter 14) can be found at http://docs.legis.wisconsin.gov/code/admin_code/uws/14.pdf
- Student Nonacademic Disciplinary Procedures (UWS Chapter 17) can be found at http://docs.legis.wisconsin.gov/code/admin_code/uws/17.pdf

Tentative Schedule for the Semester: The instructor reserves the right to make any reasonable changes to the schedule.

Date	Through	Chapters
January 19	February 16	1 - 2
February 18	February 18	Exam 1
February 23	April 12	5 - 8
April 14	April 14	Exam 2
April 19	May 5	9, 13 - 15
May 12	1:30 - 3:30	Final Exam