

**Northern Michigan University**  
**Mathematics and Computer Science Department**  
**Finite Mathematics (4 credits), MA113-01 (11249)**  
**MTWR 9:00 – 9:50am, JAMR 3309**

**Instructor:** Chad E. Leisenring  
**Email:** cleisenr@nmu.edu

**Office:** Zoom Code 9062412589, JAMR 2235  
**Office Hours:** 8am WR, 10am TR

**Prerequisite**

MA100 (passed with a C- or better) or satisfactory score on the Mathematics Placement Exam.

**Course Description:** This course is designed primarily for students in business, economics, management, and the social sciences and life sciences. MA 113 builds on the algebraic skills of MA 100 while emphasizing applications, modeling, and decision-making from business, social and natural sciences, medicine, and other areas. “The study of applications of mathematics beyond algebra to the business world. Topics include [algebra], probability and statistics, annuities and loan amortization, an introduction to linear programming, game theory, and Markov processes. If time permits, applications of derivatives and integrals to economics and other business areas may be included”.

**Course Content:** This course is broken down into three distinct areas:

- Systems of equations and linear programming
- Formulas and the mathematics of finance
- Probability and statistics

**Text and Other Requirements:**

- WebAssign – access to e-book and online homework. <https://www.webassign.net/>
- WebAssign class code: **nmu 6220 3642**
- Text: Algebra and Trigonometry 10e, Ron Larson (eBook included with WebAssign !!! )
- A scientific calculator is the only calculator that can be used for exams. You may use other calculators for your homework.

**STUDENT INSTRUCTIONS FOR WEBASSIGN**

- “Go to <https://webassign.net/login.html> and click Enroll with Class Key (nmu 6220 3642).
- Enter your class key and click Enroll.
- If the correct class and section is listed, click Yes, this is my class.
- Create your account using your NMU email.”

**Learning Outcomes:**

Build the student’s math foundation on all topics mentioned in the course description.

**Assessment Format:** Specific information on each assessment is below.

- **Online Homework (20%):** Homework is online, but I am always happy to answer questions about it. Be sure to write down the question along with all your work done in completing the problems. Homework is one of the best ways to help you learn the material.
- **Attendance / Participation (5%):** We will see new things almost every day, and many topics build off of each other.
- **Quizzes (10%, 4 total):** You will have four of these before every test we have. These will be gut checks to ensure you know where you stand and can study accordingly.
- **Exams (45%, 3 total):** Each test will consist of questions from the material discussed in class. A university-approved excuse is generally a prerequisite for rescheduling any test.
- **Final (20%):** The final exam is a project. Details will be released later in the semester.

**Grading Scale (%):** Your course grade will be weighted according to the percentages outlined under Assessment Format. Corresponding grades based on a percentage are below.

100 – 91%	A
89 – 81%	B
79 – 71%	C
69 – 61%	D
59 – 0%	F

**How do I get help in the class?**

1. See me during office hours or set up an appointment.
2. Go to the Math Tutoring Lab in Jamrich 2100 (Winter hours varied)  
See EduCat for their schedule. Certain tutors have more experience in certain courses.
3. Go to All Campus Tutoring (generally available on the weekends). Check their walk-in tutoring schedule at <https://www.nmu.edu/tutoring/>.

**Important Deadlines:**

**Last Day To Add A Class:** Thursday, January 21st\*, by 5 p.m.

*\* Instructor signature required to add a course after these dates.*

**Last Day To Drop For 100% Refund and No Grade:** Tuesday, January 26th, by 5 p.m.

**Last Day To Drop Course With a “W” Grade:** Friday, March 26<sup>th</sup>, by 5 p.m.

**Days Off:**

**January 18<sup>th</sup>** Martin Luther King Day observance – no classes

**NMU’s Non-Discrimination Statement:**

Northern Michigan University does not unlawfully discriminate on the basis of race, color, religion, sex, national origin, age, height, weight, marital status, familial status, handicap/disability, sexual orientation, or veteran status in employment or the provision of services, and provides, upon request, reasonable accommodation including auxiliary aids and services necessary to afford individuals with disabilities an equal opportunity to participate in all programs and activities.

Anyone having civil rights inquiries may contact the Equal Opportunity Office, 502 Cohodas Hall, telephone number 906-227-2420.

**ADA Statement:**

If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Dean of Students Office at 2001 C. B. Hedgecock Building (227-1737 or [disserv@nmu.edu](mailto: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.

**Mask Accommodation ADA Statement:**

Certain students may qualify for alternative face-covering accommodations due to a variety of health conditions. These students have gone through a qualifying process with the Office of Disability Services. Faculty have been notified of which students receive these accommodations in their class. If you have concerns regarding this topic please contact the faculty member outside of class. Please do not question or confront fellow students in the classroom who are using alternative or modified face coverings.