

**Northern Michigan University**  
**Mathematics and Computer Science Department**  
**College Algebra/Calculus Prep. (4 credits)**  
**MA111-60 (11246) MTWR 8:00 – 8:50am Synchronous Online**

**Instructor:** Jason N. Haskell  
**Email:** [jhaskell@nmu.edu](mailto:jhaskell@nmu.edu)

**Office:** JAMR 1320\*  
**Office Hours:** MTWR 11:00am-12:00pm

\*All office hours will be over Zoom using the Office Hours link in EduCat. If these hours do not work for you, you may contact me to set up an alternative appointment.

**Prerequisite:**

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

**Course Description:**

This course involves the continued development of students' abilities to manipulate algebraic statements and solve problems. A study of functions, graphing, equation solving techniques, exponents and logarithms, and systems of equations. Topics, applications and pace are tailored for those students intending to take calculus.

**Text and Other Requirements:**

- Text: *Algebra & Trigonometry*, 10th Edition. Author: Ron Larson. ISBN-10: 1-337-27117-9. The book can be bought both in a physical copy, or with an online copy at the NMU bookstore, an online copy can also be bought at [www.webassign.com](http://www.webassign.com)
- A scientific calculator. You may not use a CAS graphing calculator – they are too strong.
- Assignments: Homework will be done through **WebAssign** online. Assignments will be due at 11:59 each Sunday. Do not start the homework on Sunday, as there are roughly 4 homework assignments due each week. All assignments will be made available from the first day of the semester if you wish to work ahead. Go to [www.webassign.com](http://www.webassign.com) and at the top right of the screen you can enter our class key **nmu 4515 5329** which will enroll you into “NMU MA 111, section 02”. You will also need to create an account for the site. From here if you have not yet obtained the textbook you can buy an online copy.

**Learning Outcomes:**

1. Identify, solve, and graph various polynomials and rational expressions.
2. Identify, classify, and use subsets of real and complex numbers.
3. Create and interpret graphs, including extrema, intercepts, slope, etc.
4. Use function notation for the following: dependence, inverses, graphs and transformations, types (linear, quadratic, etc.), radicals.
5. Be able to solve polynomial equations and inequalities.
6. Identify the properties of, solve, and apply exponents and logarithms.
7. Solve linear and non-linear systems of equations (algebraically and graphically) and apply them.

8. Utilize matrices to solve systems of linear equations.

Learning outcomes will be assessed using assignments and tests.

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

- **Online Homework (20%):** Homework is online, but I am always happy to answer questions about them. If you are emailing me about a question, please include the assignment title, the question number, and all the work you have done on it up to that point. All online assignments are due at midnight on Sunday.
- **Attendance (4%):** You will be expected to show up on time (not 5 minutes late) and stay for the **ENTIRE** lecture to get credit for attending each Zoom class.
- **Participation (10%):** Even though this is an online setting, you will be expected to participate in class. The following should be a good guide to earn full participation points: ask questions in chat (if applicable), answer all in-class practice questions (even if I move on before you can answer still post your answer), do not be afraid to answer any question incorrectly (you are supposed to be learning the material, not have it mastered when you show up, getting a question wrong in class lets me know what I need to spend more time on), and completing all survey questions.
- **Exams (36%, 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. All exams will be proctored over Zoom. You will be expected to use a separate device (like a phone, tablet, or second computer) to record your test-taking. Make sure said device is plugged in or charging. If you are using your phone please be sure to put it on Do Not Disturb mode to prevent phone calls from interrupting the Zoom recording. Additional instructions will be provided prior to each exam.
- **Final Exam (30%):** The final exam is cumulative. You must score above a 60% on your final exam to receive a passing grade for the exam. Our final exam will be on Monday, April 26 at 8:00am. This will also be a Zoom-proctored exam and all the above stipulations still apply.

**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 – 90%	A
89 – 80%	B
79 – 70%	C
69 – 60%	D
59 – 0%	F

**Anyone caught cheating will receive a zero for the assignment and an F for the class.**

**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 (M-F 9:00 am – 9:00 pm).  
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/>.

**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. Hedgcock 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.

**Winter Semester 2021 Deadlines for Complete Withdrawal:**

**100% Refund:** On or before the 1st day of class by 5pm

**90% Refund:** Jan 20 – Jan 29 by 5pm

**50% Refund:** Jan 30 – Feb 15 by 5pm

**25% Refund:** Feb 16 – Mar 15 by 5pm

**0% W Grade:** Mar 16 – Mar 26 by 5pm

**"W" Grade:** A grade of "W" (Withdrawal) is placed on the NMU transcript when a student officially withdraws from a course. Courses graded with a "W" are included in attempted hours but not included in the computation of the NMU GPA.

**Subject to change with notice.**