Textbook
The (required) textbook we will use for this course is *Trigonometry, 9th Edition* by M. Lial, J. Hornsby, and D. Schneider. The text is available at the University Bookstore.

Prerequisites
Prerequisite: MA 104 or MA 103 (any of these passed with C- or better.) or satisfactory score on the Math Placement Exam. A graphing calculator or equivalent software is required.

MA 106 is for students who need trigonometry but not analytic geometry and calculus. Credit cannot be earned for both MA 106 and MA 115, except by written permission from the Mathematics Department. It is designed to be a terminal math course, with emphasis on applications in the applied sciences. Students who are considering taking MA161 should take MA115 instead of this course.

Class
Class will be held, unless otherwise noted, at the following days & times.

- MA106-02 - Monday and Wednesday from 6:00 to 7:15 p.m.

Your daily attendance is required. I will record attendance and you are expected to come to class daily, to pay attention to and participate in the class discussion. You may use your attendance to replace a low test score if your attendance is at or above 85%.

Course Description
The first two weeks of the course we will learn some fundamental concepts and how they are used. It is very important to get a firm grasp on the fundamentals. We will cover topics from the first 7 chapters of the textbook but not necessarily in order. A list of the topics covered during the semester is given below. The schedule and content may be modified as needed.

- Trigonometric functions
- Acute Angles and Right Triangles
- Applications of Trigonometry and Vectors
- Radian Measure, Unit Circle, Graphs of Trig functions
- Inverse Trig Functions
- Trigonometric Identities

Office Hours
- MW 7:15 to 8:00 p.m., or by appointment

Grading & Grading Scale
- Homework 10%
- Quizzes 15%
- Tests 50%
- Final 25%
- Homework assignments need to be completed and kept in a spiral notebook. Periodically I will check assignment notebooks to ensure you are keeping up with the required work. Effort on daily homework is essential to the understanding of material, especially in a math course. Please complete your assignments in pencil, so changes can be made if needed. Show all necessary work in a neat, organized manner. Knowing how to get the correct answer is equally important as the answer itself. Homework assignments will be collected at the end of each chapter, prior to a test.
Quizzes
Quizzes will be given periodically and will usually be given on Wednesdays. You may use a calculator and any information that has been approved by the instructor. You will know in advance when quizzes will be given. I use Educat to post announcements and assignments, so check your NMU email often for updates.

Tests
- Tests are generally given at the end of each chapter and will be announced well in advance. You may use any general information or formulas for all tests. All tests will be taken in pencil.
- Final – According to the NMU exam schedule

Make sure you are available to take the scheduled tests. Exceptions will only be accepted in case of conflicts and will need to be approved in advance.

NOTE: I will make every attempt to develop a calendar of topics and assignments to be distributed so that you are aware of all assignments and assessments. It will be subject to change if needed.

Calculators
Calculators are allowed on all homework, quizzes and exams. Unless otherwise notified, you are not allowed to have any information saved in your calculators during quizzes and exams.

Electronic Devices
In order to promote a positive classroom experience, I request that you DO NOT use any other electronic devices during class, except your laptop (for note taking notes) or a graphing calculator. Please make sure you turn OFF your cell phone upon entering the room.

Natural Sciences Requirement
This course satisfies the Foundation of Natural Sciences/Mathematics requirement. Students who complete this course should be able to demonstrate a basic understanding of mathematical logic; use mathematics to solve scientific or mathematical problems in college classes; express relationships in the symbolic language of mathematics; and appreciate the role of mathematics in analyzing natural phenomena.

University Policies
- Academic Honesty: Cheating is not only unethical and pathetic, but is a violation of the Northern Michigan University Student Code and University Policy and grounds for your dismissal from the University.
- Discrimination & Harassment: Northern Michigan University does not unlawfully discriminate on the basis of race, color, religion, national origin, gender, age, height, weight, marital status, handicap/disability, sexual orientation or veteran status. If you have a civil rights inquiry, contact the Affirmative Action Office at 906-227-2420.
- Americans with Disabilities Act Statement: The University seeks to provide equal access to its programs, services and activities for people with disabilities. 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 (227-1700). at 906-227-1700 as soon as possible. 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.
- The Registrar: Withdrawing from any course or any matters relating to registration are the responsibility of the student. For more information regarding this topic, check out the Registrars Website.