

***Math 1433-202 Plane Trigonometry**

***Spring 2026**

Contact Information:

Instructor: Dr. Guy Bernard

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Office Hours: MWF 10:00am-11:00am,
TR 11:00am-12:00pm, or by appointment.

Important Notices (please read carefully)

- If a student misses an in-class test (due to illness or injury), arrangements will be made on a case-by-case basis. In most cases, the final exam will be substituted for the missed test. (please refer to Evaluation 2).
- Should a student be unable to take the Final Exam at the scheduled date (due to illness or injury), he or she will need to contact me before the final exam and contact the Office of Students Rights and Responsibilities to request an absence letter to obtain a differed final exam. This office will require documentation before agreeing to write such a letter. Office of Students Rights and Responsibilities Director: Mr. Dail Neely. phone: (940) 397-7500.
- Samples of students' work from embedded final exam questions will be used in the assessment of critical thinking, communication skills, and empirical and quantitative skills.
- Days when the university is closed (due to inclement weather), the lectures will resume (after the return to class) at the point left before the closure. Missed quizzes (or homework due) during the closure will be taken the first day of the return to class.

Class Details:

Lectures: TR 9:30am-10:50am in Bolin 144

Text: Trigonometry, by Ron Larson, 11th edition.

Calculator: Any scientific (or graphing) calculator.

Course Objectives:

The goal of this course is to acquire a good understanding of the fundamental concepts of Right-Angle Trigonometry and Analytic Trigonometry as well as the basic trigonometric identities. In addition, Inverse Trigonometric Functions, the Law of Sines, the Law of Cosines, Vectors, Dot Product, Complex Numbers, and Polar Coordinates will be studied rigorously.

Course Outline:

The following chapters will be covered:

- Chapter 1 Trigonometry
- Chapter 2 Analytic Trigonometry
- Chapter 3 Additional Topics in Trigonometry
- Chapter 4 Complex Numbers
- Chapter 6 Topics in Analytic Geometry (only 6.6 and 6.7)

Homework, Tests, and Final Exam:

- There will be 13 homework assignments during the semester.
- The homework assignments will cover the entire course material.
- Late assignments will not be accepted.
- There will be 13 quizzes. Make-up quizzes will never be given.
- Each quiz will worth ten points. Your quiz grade (100 points) will be the sum of the 13 quizzes divided by 10 (up to the maximum of 100 points).
- There will be 3 tests during the semester.
- The final exam is comprehensive and compulsory.
- All tests and the final exam will be closed book exams.
- Calculators will be permitted during all exams.
- Make-up tests will be granted only in exceptional situations and only when the student has made the request (for a make-up test) several days before the date of the class-scheduled test.

Test Dates:

- Test No.1 Thursday February 26, 2026 (subject to change)
- Test No.2 Thursday April 9, 2026 (subject to change)
- Test No.3 Tuesday May 5, 2026 (subject to change)
- Final Exam Tuesday May 12, 2026 8:00am-10:00am

Grading:

The course grade for each student will be the better of the two following evaluations:

Evaluation 1

- Homework 5%
- Quizzes 15%
- Test No.1 15%
- Test No.2 15%
- Test No.3 15%
- Final Exam 35%

Evaluation 2

- Homework 5%
- Quizzes 15%
- Best Test 15%
- 2nd Best Test 15%
- Worst Test 0%
- Final Exam 50%

Letter Grade:

In this course, the course letter grades will correspond to the following course grades:

- A 85% and above
- B 75% to 84%
- C 65% to 74%
- D 55% to 64%
- F below 55%.

Grade Appeal Procedure:

If you wish to appeal your final course grade, the following link describes the appeal process (to the Dean of the College).

*[Grade Appeal Checklist](#)

Important Date:

Last date to withdraw from the course with the grade of W:
4:00pm Wednesday April 29, 2026.

Attendance Policy:

Attendance is compulsory. After five absences, students may be withdrawn from the course with the grade of WF (before 04/29/2026) or with the grade of F (after 04/29/2026).

Disabilities Statement:

Students who need special accommodations should inform the instructor and contact the Disability Support Services Office: Student Wellness Center. Phone: (940) 397-4140.

Academic Dishonesty:

The sanction for academic dishonesty on quizzes, tests, or the final exam will be the assignment of the grade of ZERO on the given test where the dishonesty occurred. This may lead to the failing of the course should the students' course grade fall below the passing grade.

The following link describes the appeal process (to the chair of the Mathematics Department) for an Academic dishonesty sanction from your instructor.

[*Academic Honesty Checklist](#)

Student Handbook:

Students should refer to the current MSU Student Handbook and Activities Calendar for university policies on academic dishonesty, class attendance, student rights and activities. The Student Handbook can be found on the MSU website at Student Life, Dean of the Students.

[*Student Handbook 2025-2026](#)

Campus Carry:

Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. The new Constitutional Carry law does not change this process. Concealed carry still requires a License to Carry permit, and openly carrying handguns is not allowed on college campuses. For more information visit

**[Campus Carry](#).*

Active Shooter:

The safety and security of our campus is the responsibility of everyone in our community. Each of us has an obligation to be prepared to appropriately respond to threats to our campus, such as an active aggressor. Please review the information provided by MSU Police Department regarding the options and strategies we can all use to stay safe during difficult situations. For more information, visit

**[Safety / Emergency Procedures](#)*

Students are encouraged to watch the video entitled “Run, Hide. Fight” which may be electronically accessed via the University Police department’s webpage:

**["Run. Hide. Fight."](#)*

Additional Student Resources:

**[Student Resources](#)*