Math 1433-103 Plane Trigonometry
Fall 2022

Contact Information:

Instructor: Dr. Guy Bernard
Office: 118D Bolin Hall
Phone: (940) 397-4443
e-mail: guy.bernard@msutexas.edu

Office Hours: MWF 10:00am-11:00am and TR 2:00pm-3:00pm.

Important Notices (please read carefully)

- Should a student need to quarantine because of having acquired the Covid-19 virus (or to being exposed to a person infected with this virus), he or she should advise me of their situation and the number of days they will be absent from class. In this case, students will need to follow the lectures by reading my online class notes (on D2L). They will need to e-mail me PDF files of their homework assignments by their due dates. If a student misses a class test (for Covid-19), 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 in this syllabus under the title Grading.
- Should a student be unable to take the Final Exam at the scheduled date (due to Covid-19 or other illness), the student will need to contact me before the date of the final exam AND to 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.

Class Details:

Lectures: MWF 1:00pm-1:50pm in Bolin 209.
Text: Trigonometry, by Ron Larson, 11th edition.
Class Notes: posted on D2L
Homework Solutions: posted on D2L after being handed in.
Calculator: Any scientific (or graphing) calculator.

Course Description:

The goal of this course is to cover the basic concepts of Right Angle Trigonometry and Analytic Trigonometry. In addition, Inverse Trigonometric Functions, the Law of Sines, the Law of Cosines, Vectors, Dot Product, Complex Numbers, and Polar Coordinates will be covered.

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, 6.7, and 6.8)

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 accepted.
- Solutions to homework assignments will be posted on D2L after they are handed in. They will remain there for the remaining of the semester.
- There will be 3 tests during the semester.
- Solutions to tests will not be given.
- The final exam will be 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 Wednesday September 28, 2022 (subject to change)
- Test No.2 Wednesday October 26, 2022 (subject to change)
- Test No.3 Wednesday November 30, 2022 (subject to change)
- Final Exam Monday December 5, 2022 1:00pm-3:00pm.

Grading:

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

Evaluation 1

- Homework 5%
- Test No.1 20%
- Test No.2 20%
- Test No.3 20%
- Final Exam 35%

Evaluation 2

- Homework 6%
- Best Test 22%
- 2nd Best Test 22%
- 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 Monday October 24, 2022.

Attendance Policy:

Students should attend all class lectures, if they are healthy. Students who cannot attend (due to the corona virus) need to contact me. In this case, they will follow the course by my online class notes (posted on D2L). Attendance will be taken but, due to the pandemic, no penalties will be imposed for absences.

Disabilities Statement:

Students who need special accommodations should inform the instructor and contact the Disability Support Services Office: room 168 Clark Student 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 2021-2022

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."