



Course Syllabus: Math 1433-401 Plane Trigonometry

College of Mathematics
MATH 1433 Section 401
Summer II July 6th-August 6th

Contact Information

Instructor: Jacob Mescher

Office: BO 122Q

Office hours: Monday-Thursday: 8:05-10:05. Additional times may be requested via appointment.

E-mail: Jacob.mescher@msutexas.edu

Course Description

Math 1433 Description: 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.

Textbook & Instructional Materials

Trigonometry 11th edition by Larson. Your WebAssign access was part of the registration of the course. Required digital materials for this course are part of the Courseware Access and Affordability Program at MSU Texas. The MSU D2L website accessed from the MSU homepage, and WebAssign which you will access through a link in D2L via the WebAssign widget.

A graphing calculator is recommended. You may not use a phone or any device with internet access as a calculator during proctored exams, including assistant devices such as smart watches or smart glasses.

Study Hours and Tutoring Assistance

Tutoring and Academics Support Program (TASP) offers learning center hours. TASP's Learning Center (TLC). Located on the first floor of Moffett Library, TASP's Learning Center offers drop-in tutoring support for most general subject areas including but not limited to Writing, Math, Science, Psychology, History, and Foreign Languages. Students check in to work one-on-one with a tutor typically for an hour regarding specific concepts. To check the availability of tutors in a

specific subject area, consult the tutoring link below. The Learning Center observes all campus holidays and closures.

Student Handbook

Refer to: [Student Handbook](#)

Academic Misconduct Policy & Procedures

Academic Dishonesty: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individual's to whom credit is given). Additional guidelines on procedures in these matters may be found in the Office of Student Conduct. [Office of Student Conduct](#)

Moffett Library

Moffett Library provides resources and services to support student's studies and assignments, including books, peer-reviewed journals, databases, and multimedia materials accessible both on campus and remotely. The library offers media equipment checkout, reservable study rooms, and research assistance from librarians to help students effectively find, evaluate, and use information. Get started on this [Moffett Library webpage](#) to explore these resources and learn how to best utilize the library.

Prerequisite

Math 1233 with a grade of C or better.

Grading

Course Grade – Your grade will be based on 4 Check-In grades, 14 Homework grades but only your 12 best will count, 2 Benchmarks, 2 Proctored Midterms, and a Proctored Final Exam. These items will be weighted as per the table below. The grade distribution will be no stricter than the following: A is 90%-100%, B is 80%-89%, C is 70-79%, D is 60-69%, and F is below 60%.

Table 1: Percentage allocated to each assignment grade with a grade computed as a weighted average

Assignments	Points
4 Check-In Grades	1% each 4% total
12 Homework Grades	2% each 24% total
2 Benchmark Grades	6% each 12% total
2 Midterm Grades	10% each 20% total
Final Exam	40% total

Check-Ins (CI)

Check-In (CI) is a weekly assignment that is required to be completed by Thursday each week.

Homework

The online homework for this course is via WebAssign, which you can access through the website through a link in D2L (follow instructions on D2L for your first log in) Problems may have multiple attempts but do not waste them on guessing as attempts are limited to 3 or 4 for most problems, be aware of how many attempts you have used. Your lowest two homework scores will be dropped and the remaining scores will be averaged to determine your homework grade for the course.

Benchmark

Benchmarks are exam style assignments that take place on weeks that do not have a major midterm exam. They are typically given in class but occasionally have a supplemental portion online through WebAssign. The dates for these assignments will be 13th and the 27th.

Time Management

Weekly CI assignments should help you stay on track and be aware of your progress. You should expect to spend somewhere between 4 and 8 hours practicing each week. Only the strongest students can get away with spending less than 4 hours per week. A weaker student may need more than 8 hours per week. Success in this course normally requires work done at a steady pace and at least some work every day or two. Ignoring the course for an uninterrupted week or more will result in you having to spend time relearning materials you have forgotten.

Exams

There will be two Benchmark Exams, two Midterm Exams and a Final Exam in person. These exams take place on the following dates. Benchmark 1 July 13th, Midterm 1 July 21st, Benchmark 2 July 27th, Midterm 2 August 4th, Final Exam August 6th. Cell phone and assistant device use is strictly prohibited during all exams.

Extra Credit

Under the usual circumstances there will be no extra credit assignments.

Late Work

Homework late turn in requests can be submitted through the WebAssign platform but are not guaranteed to be accepted.

Make Up Work/Tests

Under some circumstances Exams may be made up. Generally, this will require the student to provide reason of their missed exam to the Dean of Students and provide any required information they request. However, there is no guarantee exams will be excused. Athletes that have a university excused absence must provide their documentation 2 days before their absence and must schedule and attend their make-up exams within 2 class days of returning.

Important Dates

- Last Day to drop with a grade of "W:" July 23rd. Check date on [Academic Calendar](#).
- Refer to: [Drops, Withdrawals & Void](#)

Desire-to-Learn (D2L)

Extensive use of the MSU D2L program is a part of this course. Each student is expected to be familiar with this program as it provides a primary source of communication regarding assignments, examination materials, and general course information. You can log into [D2L](#) through the MSU Homepage. If you experience difficulties, please contact the technicians listed for the program or contact your instructor.

Attendance

Students are expected to attend all meetings of the classes in which they are enrolled. There will be a physical sign in sheet to initial in class each day of the course. This includes staying on task and doing scholarly work during class. Using phones or devices for personal recreation will invalidate any attendance taken for the day even if the attendance sheet is initialed. Severe cases of excessive absences may result in a drop from the course. There will be a written warning prior to being dropped from the class, the attendance sheet will be used to verify these absences before a drop takes place.

Academic Misconduct Policy

All work that you do that contributes to your course grade must be your own work. Any evidence that you submitted work that is not your own is considered an act of academic dishonesty. An act of academic dishonesty will be reported to the university and will result in one of the following academic sanctions:

- Receiving a 0 on the homework or exam.
- Receiving an F in MATH 1433.

On homework, you may get assistance from others, but you are responsible for understanding what you submit to be graded, and further, no two students are ever to turn in work that appears to be identical. Teachers can detect when a student is copying homework from someone else in the class. Never let someone borrow your work. If you want to help someone understand how to work a problem, talk to them and give them advice or pointers, but never give them your completed work. In addition, copying solutions from online resources is considered cheating.

The [Grade Appeal Checklist](#) provides the timeline for appealing from the instructor to the next in line (dean of the college). The [Academic Honesty Checklist](#) describes the timeline for appealing from the instructor to the next in line (chair of department) and who must be notified of academic honesty infractions.

Cell Phone Policy

Please turn these off or place on silent prior to the beginning of class. All cell phones must be put away or placed face down on the desk/table in front of you. Use of a cell phone or any other electronic device (including earbuds) for personal use during class may result in the student's dismissal from class for the remainder of the period, in which case the student is counted absent and any graded work turned in on that day will receive a grade of zero. Continued violation of the no electronics use policy may result in a referral to the Dean of Students and/or the student may be withdrawn from the class by the instructor. Using a cell phone during a test or quiz will result in a zero for that assignment.

Punctuality and Attendance

There will be a physical sign in sheet to initial in class each day of the course. This includes staying on task and doing scholarly work during class. Using phones or devices for personal recreation will invalidate any attendance taken for the day even if the attendance sheet is initialed. Severe cases of excessive absences may result in a drop from the course. There will be a written warning prior to being dropped from the class, the attendance sheet will be used to verify these absences before a drop takes place. Midwestern State University's Attendance Policy, which is contained in the MSU Student Handbook, states that students are expected to attend all meetings of the classes in which they are enrolled. Among other things, the policy covers the university's position on authorized absences, including who students should contact to inform faculty in cases of personal emergency or illness requiring hospitalization or prolonged absence. You may wish to review MSU's Class Attendance Policy within the Student Handbook.

Students should make every effort to arrive to class on time and remain for the entire class period. Arriving late and leaving early is a disruption to the instructors and to fellow students.

Online Computer Requirements

This class requires you to have access to a computer (with Internet access) to complete your homework and quiz assignments. It is your responsibility to have (or have access to) a working computer in this class. Assignments are due by the due date, and personal computer technical difficulties will not be considered reason for the instructor to allow students extra time to submit assignments. Computers are available on campus in various areas of the buildings as well as the Academic Success Center. Your computer being down is not an excuse for missing a deadline. There are many places to access your homework. Our online homework can be accessed from any computer in the world which is connected to the internet. If you have technical difficulties with the website, there is also a student tech support from Pearson available to you. Contact your instructor immediately upon having computer trouble. If you have technical difficulties in the course, there is also a student helpdesk available to you. The college cannot work directly on student computers due to both liability and resource limitations however they are able to help you get connected to our online services. For help, log into [D2L](#).

Instructor Class Policies

Students are expected to attend each class and remain on task during lectures. When emailing the instructor students must record the first part of the subject line as MATH 1433 or some emails may not be found. In any event where the course needs to meet online as a university mandated transition we would retain the normal in-person course meeting times.

Change of Schedule

A student dropping a course (but not withdrawing from the University) within the first 12 class days of a regular semester or the first four class days of a summer semester is eligible for a 100% refund of applicable tuition and fees. Dates are published in the Schedule of Classes each semester.

Refund and Repayment Policy

A student who withdraws or is administratively withdrawn from Midwestern State University (MSU) may be eligible to receive a refund for all or a portion of the tuition, fees and room/board charges that were paid to MSU for the semester. HOWEVER, if the student received financial aid (federal/state/institutional grants, loans and/or scholarships), all or a portion of the refund may be returned to the financial aid programs. As described below, two formulas (federal and state)

exists in determining the amount of the refund. (Examples of each refund calculation will be made available upon request).

Services for Students with Disabilities

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Student Wellness Center, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to [Disability Support Services](#).

College Policies

Campus Carry Rules/Policies

Refer to: [Campus Carry Rules and Policies](#)

Smoking/Tobacco Policy

College policy strictly prohibits the use of tobacco products in any building owned or operated by WATC. Adult students may smoke only in the outside designated-smoking areas at each location.

Alcohol and Drug Policy

To comply with the Drug Free Schools and Communities Act of 1989 and subsequent amendments, students and employees of Midwestern State are informed that strictly enforced policies are in place which prohibits the unlawful possession, use or distribution of any illicit drugs, including alcohol, on university property or as part of any university-sponsored activity. Students and employees are also subject to all applicable legal sanctions under local, state and federal law for any offenses involving illicit drugs on University property or at University-sponsored activities.

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 has 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 [MSUReady – Active Shooter](#). 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."](#)

Assessment of Core Objectives: Samples of students’ work from embedded final exam questions will be used in the assessment of critical thinking, communications skills and empirical and quantitative skills.

Grade Appeal Process

Update as needed. Students who wish to appeal a grade should consult the Midwestern State University [MSU Catalog](#)

***Notice:** Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor.

Topics

Topics from Chapters 1-4, and 6 from the text the may be from the following list.

- Right-Angle Trigonometry
- Analytic Trigonometry
- Basic Trigonometric Identities
- Inverse Trigonometric Functions
- The Law of Sines
- The Law of Cosines
- Complex Numbers
- Polar Coordinates
- Vectors
- Dot Product

Course Schedule:

Below is a tentative schedule for each unit of the course.

Week	Relevant Unit Chapters	Exam Date
Week 1	Chapters 1	Benchmark 1 July 13 th

Week	Relevant Unit Chapters	Exam Date
Week 2	Chapters 2	Midterm 1 July 21 st
Week 3	Chapter 3 and 4	Benchmark 2 July 27 th
Week 4	Chapter 4 and 6	Midterm 2 August 4 th
Week 5	Review and Final Exam	Final Exam August 6 th