



## MATH 2312.90E, & PRE-CALCULUS

COURSE SYLLABUS: SPRING 2025

### INSTRUCTOR INFORMATION

**Instructor:** Jessica Rivera

**Office Location:** Binnion 304

**Office Hours:** Monday 8:00-9:00 am Tuesday & Thursday 9:00-11:00 am (Zoom available)

**Office Phone:** 903-886-5972

**Office Fax:** 903-886-5945

**University Email Address:** Jessica.Rivera@tamuc.edu

**Preferred Form of Communication:** Email

**Communication Response Time:** Within 24 hours M-F, 48 hours over weekends or holidays

### COURSE INFORMATION

**Textbook Required:** Precalculus, 8th Edition, by Stewart, Redlin, and Watson. ISBN 978-0357753637. Parts or all of the following chapters will be covered: 1, 2, 5, 6, 7, 8, and 11. We may occasionally cover other activities or projects, not in the text.

**Material Required:** MathXL for School (online homework) is required. Your instructor will provide you with a course ID to register for the online homework.

Graphing calculator TI 83/TI 84 or equivalent is recommended. Calculators other than Texas Instruments calculators may be used, but classroom instruction on calculators will be given for TI equipment only. Note: calculators that solve problems for students, including but not limited to TI-Nspire, TI 89 or higher, Casio Prizm, Casio Touch, or higher are not allowed to be used for this class.

*The syllabus/schedule are subject to change.*

## Course Description

In-depth combined study of algebra, trigonometric functions and their graphs; radian measurement; solution of triangles; identities; logarithmic and exponential functions; trigonometric equations; applications of trigonometry; conic sections and their graphs and other topics for calculus readiness.

Prerequisite: High school geometry and two years of high school algebra or Math 1314.

## Student Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Demonstrate and apply knowledge of properties of functions.
2. Recognize and apply algebraic and transcendental functions and solve related equations.
3. Apply graphing techniques to algebraic and transcendental functions.
4. Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians.
5. Prove trigonometric identities.
6. Solve right and oblique triangles.

## Core Objectives:

- *Critical Thinking:* Students will be able to analyze, evaluate, or solve problems when given a set of circumstances or data. This common core learning objective will be assessed on the final exam using key questions that will fulfill these objectives.
- *Communications:* In written, oral, and/or visual communication, East Texas A&M University students will communicate in a manner appropriate to audience and occasion, with an evident message and organizational structure. This common core learning objective will be assessed using class activities or projects which involve class discussion.
- *Empirical and Quantitative Skills:* Students will be able to understand and utilize mathematical functions and empirical principles and processes. This common core learning objective will be assessed using in class discussion and projects, homework, and final exams.

## COURSE REQUIREMENTS

### Minimal Technical Skills Needed

Students will need to check their Myleo e-mail and D2L regularly for class announcements and course content. Students will need access to a computer, the internet, MyLeo, D2L, and MathXL. A scanner or free scan app on a cell phone, such as Adobe Scan or CamScanner, will be needed to scan work and convert it to a pdf file for assignment submissions.

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## **Instructional Methods**

Instruction will be delivered in class and on D2L through lecture videos. Attendance will be taken at the beginning of each class. Logging in to D2L regularly and completing assignments will also be used to determine class participation.

## **GRADING**

Final grades in this course will be based on the following scale:

- A = 90%-100%
- B = 80%-89%
- C = 70%-79%
- D = 60%-69%
- F = 59% or Below

Total points corresponding to the final letter grades

- A = 451- 500 Points
- B = 401- 450 Points
- C = 351- 400 Points
- D = 301- 350 Points
- F = 300 & > Points

Weights of the assessments in the calculation of the final letter grade:

- Homework: 10%
- Daily Work (Quizzes, Projects, etc.): 10%
- Attendance: 5%
- Exams (Exam 1, Exam 2, Exam 3): 50%
- Final Exam: 25%
- TOTAL: 100%

## **Assessments**

There are three scheduled exams and a required comprehensive final exam. Face-to-Face testing is required and students will take exams in class with the instructor. A make-up exam may be arranged if it is a documented excused absence. The exam must be taken before the graded exams have been returned to the other students.

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## TECHNOLOGY REQUIREMENTS

A computer algebra system will be used for some problem exploration, enhanced conceptual understanding, and to engage students as active participants in the learning process.

- **TI-83/84 or TI-89** calculator is highly recommended.
- **A printer** to print homework and tests is recommended.
- **D2L:** As a student enrolled at East Texas A&M University, you have access to D2L. You will obtain course materials through D2L, (MyLeo □ APPs □ D2L). The course materials are only for this course. You cannot distribute the course materials without the permission of the instructor. You also have an email account via myLeo - all my emails sent from D2L (and all other university emails) will go to this account, so please be sure to check your email regularly.

## LMS

All course sections offered by East Texas A&M University have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

[https://documentation.brightspace.com/EN/brightspace/requirements/all/browser\\_support.htm](https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm)

YouSeeU Virtual Classroom Requirements:

<https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements>

## ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or [helpdesk@tamuc.edu](mailto:helpdesk@tamuc.edu).

**Note:** Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary

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use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

## **COMMUNICATION AND SUPPORT**

If you have any questions or are having difficulties with the course material, please contact your Instructor.

### **Technical Support**

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

## **Interaction with Instructor Statement**

### **Student Academic Resources**

**Math Skills Center (MSC):** Free tutoring service offered by the Mathematics department. The MSC will be open Monday and Wednesday from 10am - 8 pm, Tuesday and Thursday from 10 am- 6pm, and Friday from 10 am- 2 pm. The MSC will offer tutoring through Calculus 1, with other courses optional to the tutor, depending on the tutor's experience and willingness to assist.

**The TAMUC One Stop Shop** - provides as many student resources as possible in one location.

<http://www.tamuc.edu/admissions/oneStopShop/>

**The TAMUC Academic Success Center** provides academic resources to help you achieve academic success.

<http://www.tamuc.edu/CampusLife/CampusServices/AcademicSuccessCenter/default.aspx>

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## **COURSE AND UNIVERSITY PROCEDURES/POLICIES**

### **Course Specific Procedures/Policies**

#### **Syllabus Change Policy**

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

### **University Specific Procedures**

#### **Student Conduct**

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx).  
<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum:  
<https://www.britannica.com/topic/netiquette>

#### **TAMUC Attendance**

For more information about the attendance policy please visit the [Attendance](http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx) webpage and [Procedure 13.99.99.R0.01](http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx).  
<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

#### **Academic Integrity**

Students at East Texas A&M University are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf)  
[Undergraduate Student Academic Dishonesty Form](http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

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### [Graduate Student Academic Dishonesty Form](#)

<http://www.tamuc.edu/academics/graduateschool/faculty/GraduateStudentAcademicDishonestyFormold.pdf>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

### **AI use policy**

East Texas A&M University acknowledges that there are legitimate uses of Artificial Intelligence, ChatBots, or other software that has the capacity to generate text, or suggest replacements for text beyond individual words, as determined by the instructor of the course.

Any use of such software must be documented. Any undocumented use of such software constitutes an instance of academic dishonesty (plagiarism).

Individual instructors may disallow entirely the use of such software for individual assignments or for the entire course. Students should be aware of such requirements and follow their instructors' guidelines. If no instructions are provided the student should assume that the use of such software is disallowed.

In any case, students are fully responsible for the content of any assignment they submit, regardless of whether they used an AI, in any way. This specifically includes cases in which the AI plagiarized another text or misrepresented sources.

13.99.99.R0.03 Undergraduate Academic Dishonesty

13.99.99.R0.10 Graduate Student Academic Dishonesty

### **East Texas A&M University Supports Students' Mental Health**

The Counseling Center at East Texas A&M, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit

[www.tamuc.edu/counsel](http://www.tamuc.edu/counsel)

### **Students with Disabilities-- ADA Statement**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

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## **Office of Student Disability Resources and Services**

East Texas A&M University

Velma K. Waters Library Rm 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: [studentdisabilityservices@tamuc.edu](mailto:studentdisabilityservices@tamuc.edu)

Website: [Office of Student Disability Resources and Services](#)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

## **Nondiscrimination Notice**

East Texas A&M University will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

## **Campus Concealed Carry Statement**

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in East Texas A&M University buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and East Texas A&M Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all East Texas A&M University campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

## **Department or Accrediting Agency Required Content**

*The syllabus/schedule are subject to change.*





## COURSE OUTLINE / CALENDAR

Week 1: 1.9, 5.1

Week 2: MLK Holiday, 5.2

Week 3: 6.1, 6.2

Week 4: 6.3, Review

Week 5: Exam 1, 5.3

Week 6: 5.4, 5.5

Week 7: 6.4, 6.5, 6.6

Week 8: Review, Exam 2

Week 9: 7.1, 7.2

Week 10: 7.3, 7.4

Week 11: 7.4, 7.5

Week 12: 8.1, 8.2

Week 13: Review, Exam 3

Week 14: Chapter 11

Week 15: Review for Final Exam

Week 16: Final Exam

This schedule is subject to change by the instructor. Any changes to this schedule will be communicated by email and in-class announcements.

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