



## **MATH-2414-02E CALCULUS II**

COURSE SYLLABUS: Spring 2025

### **INSTRUCTOR INFORMATION**

Instructor: **Zhaoting (George) Wei**

Office Location: **BIN 321**

Office Hours: **MTWThF 9:00am-10:00am, BIN 321, or by appointment**

Office Phone: No office phone yet. It will be provided later, Office Fax: **903-886-5945**

University Email Address: [zhaoting.wei@tamuc.edu](mailto:zhaoting.wei@tamuc.edu)

Preferred Form of Communication: **Email**

Communication Response Time: **With 24 hours on weekdays**

Class Meeting Time: **MTWThF 12:00pm-12:50pm**

Class Location: **BIN 326**

Graduate Assistant: **TBA**

### **COURSE INFORMATION**

**Textbook Required:** Calculus, by James Stewart, 9th Edition, published by Thompson Learning Inc. Portions of Chapters 5, 6, 7, 8, 10, and 11 in the textbook will be discussed.

**Website & Internet:** A Brightspace course website is created for the course which may be accessed from student myLeo accounts. All files and documents that the instructor shares with the class will be posted in the course website. All material posted or shared at the course website is copyrighted ©. You can retain one copy of each file for your personal use, but the files should not be distributed in any form without instructor's written consent.

#### **Tentative Exam Schedules:**

**Test 1:** 20% **Friday February 21, 2025, 12:00pm-12:50pm**, in class

**Test 2:** 20% **Friday April 4, 2025, 12:00pm-12:50pm**, in class

**Final:** 30% **Friday May 9, 2025, 8:00am-10:00am**, location to be announced.

**No make-up** test will be given without an official, written, university accepted excuse. The student is expected to contact the instructor the next working day and present the documented excuse to make up a test.

**Midterm exam retake policy:** If you get less than 60% in any of the midterm exams, you may take the midterm for a second time at the academic testing center:

- If you get more than 60% in the retaken exam, then you will get **60%** as your midterm grade.
- If you get less than or equal to 60% in the retaken exam, then the grade of the retaken exam will be the grade of your midterm exam.

**Quizzes:** 15%, You will have 10 quizzes in class quizzes during the semester, generally once a week.

**Homework:** 15%, Homework will be assigned in **each lecture** five times a week on a regular basis. All assignments of the week will be due in Monday's class in the following week. The course website keeps a log of the course material that you visit or download. Student name and homework number should be included in the filename for each week. Selected assignments and problems will be graded, but all problems should be worked out for full **homework score**. You may work in groups unless otherwise instructed, however the work you turn in must be your own. **Late work** might not be accepted unless legitimate reasons are presented.

**AI use in course:** 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

**Grading:** At the end of this course, the final grade will be determined by:

Homework (15%) + Midterms (40%) + Final (30%) + Quizzes (15%)

A = 90%-100%

B = 80%-90%

C = 70%-80%

D = 60%-70%

F < 60%

**Tentative Course Schedule:** See the end of the syllabus.

**Math Tutor:** The Math Skills Center (Binnion 328) will be open its (new) normal hours, MW 10am – 8pm, TTh 10am – 6pm, and F 10am – 2pm, beginning the SECOND week of school (Tuesday, September 5th at 10am).

**Course Description:** Techniques of integration; applications of the integrals; improper integrals; limits involving indeterminate forms; parametric equations and polar coordinates; sequences and series.

**Prerequisite:** Math 2413 with a minimum grade of C.

### **Student Learning Outcomes**

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

1. Understand the concept of inverse functions and use the properties of inverse trigonometric functions and hyperbolic functions;
2. Recognize the indeterminate forms and use the L'Hospital's rule;
3. Use integration techniques including integration by parts, trigonometric substitution, and partial fractions decomposition to evaluate integrals;
4. Use the idea and techniques of integration to solve problems involving arc lengths, areas and volumes;
5. Evaluate derivatives and integrals using parametric equations and polar coordinates;
6. Understand the convergence of sequences and infinite series and use Integral Test, Comparison, Ratio, and Root Tests.

### **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, Texas A&M University - Commerce 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.

# TECHNOLOGY REQUIREMENTS

## 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 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>

## **COURSE AND UNIVERSITY 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>

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>

#### **ETAMU Attendance**

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<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](#)  
[Undergraduate Student Academic Dishonesty Form](#)

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

[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>

### **Regarding the University's Pandemic Response**

East Texas A&M University requires the use of face-coverings in all instructional and research classrooms/laboratories. Exceptions may be made by faculty where warranted. Faculty have management over their classrooms. Students not using face-coverings can be required to leave class. Repetitive refusal to comply can be reported to the Office of Students' Rights and Responsibilities as a violation of the student Code of Conduct.

Students should not attend class when ill or after exposure to anyone with a communicable illness. Communicate such instances directly with your instructor. Faculty will work to support the student getting access to missed content or completing missed assignments.

### **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:

#### **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 University 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.

#### **Tentative Course Schedule:**

Week 1 (Jan. 13 – 17): Syllabus, 5.1, 5.2

Week 2 (Jan. 20 – 24): **MLK, Jr. Day Break** 5.3, 5.4, 5.5

Week 3 (Jan. 27 – 31): 6.1, 6.6, 6.7, 6.8

Week 4 (Feb. 3 – 7): 7.1, 7.2, 7.3

Week 5 (Feb. 10 – 14): 7.4, 7.5, 7.6

Week 6 (Feb. 17 – 21): 7.7, 7.8, Review, **Exam 1 Friday Feb. 21, 12:00pm-12:50pm**

Week 7 (Feb. 24 – 28): 8.1, 8.2, 10.1

Week 8 (Mar. 3 – 7): 10.2, 10.3, 10.4

Week 9 (Mar. 10 – 14): Spring Break

Week 10 (Mar. 17 – 21): 11.1, 11.2

Week 11 (Mar. 24 – 28): 11.3, 11.4

Week 12 (Mar. 31 – Apr. 4): 11.5, Review, **Exam 2 Friday Apr. 4, 12:00pm-12:50pm**

Week 13 (Apr. 7 – 11): 11.6, 11.7

Week 14 (Apr. 14 – 18): 11.8, 11.9

Week 15 (Apr. 21 – 25): 11.10, 11.11

Week 16 (Apr. 28 – May. 2): Review for Final Exam

Week 17 (May 5 – 9) **Final Exam, Friday, May 9, 8:00am-10:00am**

