MATH 2413.02E (80638) - CALCULUS I

COURSE SYLLABUS: FALL 2023

Office Hours: On-Campus
Monday 2 pm – 3 pm; Tuesday 11 am – 12:30 pm; Wednesday 1 pm – 2 pm; Thursday 11 am – 12:30 pm or by appointment.
Office Hours: On-Zoom
Monday 3 pm - 4 pm; Wednesday 2 pm - 3 pm or by appointment. The zoom link can be found on D2L course webpage.
Office Phone: 903-886-5944
Office Fax: 903-886-5945
University Email Address: Mehmet.Celik@tamuc.edu
Preferred Form of Communication: email
Communication Response Time: Student course-related questions or concerns through email are answered usually within 24 hours during weekdays (M-F).
Class Meeting Time: MTWRF 10 am - 10:50 am (MTWR are discussions and lectures, and on Friday, we will have a recitation session with a Graduate Teaching Assistant (GTA) and a Learning Assistant (LA))
Class Location: BINB326

COURSE INFORMATION

Materials

Textbook(s) Required: We will be using the 9th edition of James Stewart's Calculus textbook with ISBN-13 978-1337624183. Our session will cover Sections 1.4-1.8, Chapters 2, 3, and 4, followed by Chapter 6's 6.1, 6.2, 6.3, and 6.4, and finishing with Chapter 7's 7.1. Additionally, we may explore some enrichment in-class activities that go beyond the textbook.

Course Description: This course examines differential and integral calculus of functions of one variable, as follows. Topics include limits; continuity; derivatives; curve sketching; applications of the derivative; the definite integral; derivatives and integrals of trigonometric functions; and use of computer technology. Prerequisite Two years of high school algebra and trigonometry or Math 2312.

Using a graphing calculator with at least the capabilities of the TI-83 will be helpful throughout the course. TI-89 is highly recommended. 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.

Student Learning Outcomes

Core Objectives: This course addresses the core objectives of critical thinking, communication, and empirical and quantitative skills.

Core Objective 1: Critical Thinking
Students will be able to analyze, evaluate, or solve problems when given a set of circumstances, data, texts, or art.

Core Objective 2: Communication Skills
In written, oral, and/or visual communication, A&M-Commerce students will communicate in a manner appropriate to the audience and occasion, with an evident message and organizational structure.

Core Objective 3: Empirical and Quantitative Skills
Students will be able to interpret, test, and demonstrate principles revealed in empirical data and/or observable facts.

Student Assessment Outcomes

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.

1. *Critical Thinking:* Will be measured through one or more of the following: quizzes, projects, and/or exams
2. *Oral, Visual, and Written communication Skills:* Will be measured through one or more of the following: quizzes, projects, and/or exams
3. *Empirical and Quantitative Skills:* Will be measured through one or more of the following: quizzes, projects, and/or exams

COURSE REQUIREMENTS

Instructional Methods: The course places a strong emphasis on in-class activities that foster the development of critical thinking skills among students. Prior to class meetings, students will receive information to prepare them for small group problem-solving sessions. These sessions will cover computational, concept-based, and discussion-oriented problems. During class time, the professor will fully engage students in their own learning by enabling them to think critically, discuss ideas, investigate concepts, and create solutions during group discussions. Additionally, an undergraduate Learning Assistant and a Graduate Teaching Assistant will be present to assist students during the sessions. Students can expect a range of exciting in-class learning activities. Students will submit their work for grading and feedback at the end of each session, with daily participation grades returned at the next meeting.

Course Evaluation Methods

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.

Exams – There will be two Mid-term exam scores and one Comprehensive Final Exam. Each exam will be proctored in the classroom.

Exam 1: On Week #6 (there will be **two in-class assessments** during the week of October 2nd)
Exam 2: On Week #12 (there will be **two in-class assessments** during the week of November 6th)

Make-up exams are possible only if there is a documented emergency.

Final Exam - Comprehensive Final Exam.
Monday, December 11th from 10:30am to 12:30pm

Quizzes –There will be no make-ups for any missed quizzes. Instead, at the end of the semester, the highest ten quizzes will be considered.
Each week, one quizzes will be posted on the course home page under D2L: **On** Wednesday at 6am due to Thursday at 9am.

The student will download the posted quiz questions, write his/her answers/solutions on a separate sheet with the academic integrity statement on the top ("*On my honor, as a student, I have neither given nor received unauthorized aid on this academic work*," and sign under that statement), scan the sheet(s) and submit the scanned pdf file to the virtual basket under D2L (Activities→Assignments→Quiz #) as
LastName_FirstName_Quiz?_Math2413.02E_FA23.pdf
(Example: Celik_Mehmet_Quiz3_Math2413.02E_FA23.pdf).
The quiz you submit must be your work. Plagiarism is strictly prohibited.

In-class Participation – During Monday, Tuesday, Wednesday, and Thursday's class meetings, we will be discussing problems associated with that day's concept. At the start of each meeting, you will be given a set of problems to work on and complete before it ends. To receive participation credit, a certain number of fully completed problems will need to be submitted. The exact number will be announced during the meeting. While group work is permitted, each member must submit their own solutions. The professor and a Learning Assistant and a Graduate Teaching Assistant will be available during the discussions to help. Further details will be shared on the first day of class.

Online Homework Assignments (from WebAssign): There is an online supplement to your textbook called WebAssign. There will be an online homework assignment in WebAssign for each section covered in the course. You will have an unlimited number of attempts to complete an assignment by the due date given and your highest grade will be recorded. You will see variations of these problems on tests, so completing the online homework problems is strongly encouraged! The Class Key is going to be provided on the first day of the class under D2L.

Attendance: Regular attendance in class is crucial for earning higher final grades. Active participation and engagement during class discussions are crucial to successful learning. The course material discussed during class is essential for demonstrating proficiency in the subject. It is important for students to inform

their instructors of any absences and to make up any missed work. Coordination with fellow students for class notes is recommended if a student cannot attend class. Let's aim for consistent attendance and active participation in class to reach our educational goals.

The key to success In this course, it is crucial to work with other students in the class, do the homework early, and ask questions when you have them! We will discuss homework problems during Friday's meeting, but there will often not be enough time to discuss all of them. Please join your professor's office hours either on zoom or in his office (Binnion 323) or visit the Math Skills Center (at Binnion 329) if you have additional questions about the homework or the concepts.

It's also important to remember that quizzes only cover a specific part of the material, while exams cover the entirety of the subject. This might explain why your scores sometimes differ. To improve your exam score, you should frequently review the material by practicing problem-solving. Going through previous assignments and quizzes can also be helpful. During the exam, be sure to read each question carefully and double-check your solutions. To improve your quiz score, it's essential to make sure you understand the material, review your mistakes from past quizzes, and learn how to manage your time efficiently. If you find a particular problem challenging, move on to the next one and come back to it later.

Workload and Assistance: To succeed in this course, it is recommended that you set aside two to three hours each day outside of class to review the material. This includes watching videos, reading, completing homework assignments, and preparing for quizzes and exams. Depending on the week, you may need to allocate more or less time for these tasks. Collaborating with fellow classmates can also be beneficial, so don't hesitate to ask for help or clarification. To further assist you, your professor has reserved specific office hours in Binnion 323. If you have any questions or concerns, feel free to reach out via email. Please note that emails are generally answered within 24 hours during weekdays (M-F).

GRADING

Grading Matrix: In Math 2143.02E, a total points system will determine your final grade. The maximum number of possible points for the class is 400. Please refer to the grading matrix below to understand how your total score will be calculated at the end of the Fall 2023 semester. All grading instruments will be assigned between the first and last day of class. The Final Exam, which will take place on Monday, December 11th, from 10:30am to 112:30pm, is the last grading instrument of the course. Your grade will be determined entirely by your performance on each evaluation criteria, including mid-term exams, quizzes, in-class participation, online homework assignments, and the final exam. Please note that there will be no extra credit assignments.

Instrument	Value (points)	Total
In-class Participation	85% of the total participation	40
Quizzes	The best 10 in-class	40

	quizzes (best 10 scores)	
Online HW Assignments	Best 20 online homework assignments will be considered.	40
Mid-term Exams	2 Mid-term exams at 90 points each	180
Final Exam	One comprehensive final exam at 100 points	100
Total:		400

Grade Determination:
A = 400 – 360 pts; i.e. 90% or better
B = 320 – 359 pts; i.e. 80 – 89 %
C = 280 – 319 pts; i.e. 70 – 79 %
D = 240 – 279 pts; i.e. 60 – 69 %
F = 239 pts or below; i.e. less than 60%

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 other calculators with similar capability is recommended.
- **A printer** to print homework and tests is recommended.
- **Scanner/digital camera/cell phone** that you can take pictures of your work and submit them to the Virtual Basket under D2L.
- **D2L:** As a student enrolled at Texas A&M University-Commerce, you have access to D2L. You will obtain course materials through D2L, (MyLe→ 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.

BROWSER SUPPORT

D2L is committed to performing key application testing when new browser versions are released. New and updated functionality is also tested against the latest version of supported browsers. However, due to the frequency of some browser releases, D2L cannot guarantee that each browser version will perform as expected. If you encounter any issues with any of the browser versions listed in the tables below, contact D2L Support, who will determine the best course of action for resolution. Reported issues are prioritized by supported browsers and then maintenance browsers.

Supported browsers are the latest or most recent browser versions that are tested against new versions of D2L products. Customers can report problems and receive support for issues. For an optimal experience, D2L recommends using supported browsers with D2L products.

Maintenance browsers are older browser versions that are not tested extensively against new versions of D2L products. Customers can still report problems and receive support for critical issues; however, D2L does not guarantee all issues will be addressed. A maintenance browser becomes officially unsupported after one year.

Note the following:

- Ensure that your browser has JavaScript and Cookies enabled.
- For desktop systems, you must have Adobe Flash Player 10.1 or greater.
- The Brightspace Support features are now optimized for production environments when using the Google Chrome browser, Apple Safari browser, Microsoft Edge browser, Microsoft Internet Explorer browser, and Mozilla Firefox browsers.

DESKTOP SUPPORT

Browser	**Supported** Browser **Version(s)**	**Maintenance** Browser **Version(s)**
Microsoft® Edge	Latest	N/A
Microsoft® Internet Explorer®	N/A	11
Mozilla® Firefox®	Latest, ESR	N/A
Google® Chrome™	Latest	N/A
Apple® Safari®	Latest	N/A

TABLET AND MOBILE SUPPORT

Device	**Operating System**	Browser	**Supported** Browser **Version(s)**
Android™	Android 4.4+	Chrome	Latest
Apple	iOS®	Safari, Chrome	The current major version of iOS (the latest minor or **point** release of that major version) and the previous major

Device	**Operating System**	Browser	**Supported** Browser **Version(s)**
			version of iOS (the latest minor or **point** release of that major version). For example, as of June 7, 2017, D2Lsupports iOS 10.3.2 and iOS 9.3.5, but not iOS 10.2.1, 9.0.2, or any other version. Chrome: Latest version for the iOS browser.
Windows	Windows 10	Edge, Chrome, Firefox	Latest of all browsers, and Firefox ESR.

- You will need regular access to a computer with a broadband Internet connection. The minimum computer requirements are:
    - 512 MB of RAM, 1 GB or more preferred
    - Broadband connection required courses are heavily video intensive
    - Video display capable of high-color 16-bit display 1024 x 768 or higher resolution

- You must have a:
    - Sound card, which is usually integrated into your desktop or laptop computer
    - Speakers or headphones.
    - *For courses utilizing video-conferencing tools and/or an online proctoring solution, a webcam and microphone are required.

- Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. At a minimum Java 7, update 51, is required to support the learning management system. The most current version of Java can be downloaded at: JAVA web site http://www.java.com/en/download/manual.jsp

- Current anti-virus software must be installed and kept up to date.

Running the browser check will ensure your internet browser is supported.
Pop-ups are allowed.
JavaScript is enabled.
Cookies are enabled.

- You will need some additional free software (plug-ins) for enhanced web browsing. Ensure that you download the free versions of the following software:
    - Adobe Reader https://get.adobe.com/reader/

- Adobe Flash Player *(version 17 or later)* https://get.adobe.com/flashplayer/
- Adobe Shockwave Player https://get.adobe.com/shockwave/
- Apple Quick Time http://www.apple.com/quicktime/download/

At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies.

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.

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

BRIGHTSPACE SUPPORT

NEED HELP?

STUDENT 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 or click on the **Live Chat** or click on the words "click here" to submit an issue via email.

SYSTEM MAINTENANCE

D2L runs monthly updates during the last week of the month, usually on Wednesday. The system should remain up during this time unless otherwise specified in an announcement. You may experience minimal impacts to performance and/or look and feel of the environment.

INTERACTION WITH INSTRUCTOR STATEMENT

Student course-related questions or concerns through email are answered usually within 24 hours during week days (M-F). Feedback on assessments will be provided within 7 days after the assignment is submitted.

My primary form of communication with the class will be through the official university Email and Announcements. Any changes to the syllabus or other important information critical to the class will be disseminated to students in this way via your D2L Email address available to me through MyLeo and in Announcements. It will be your responsibility to check your official university Email and Announcements regularly.

Discussions: This space is for students to communicate with each other. I may visit Discussions and join your discussion. Please feel free to answer one another's questions. I will check answers (as well as questions) for correctness, but do not hesitate to respond to a posting if you feel you can answer the question thoroughly and directly.

STUDENT ACADEMIC RESOURCES

Math Skills Center (MSC): Free tutoring services are offered up to the level of Calculus I at the Math Skill Center (Binnion Room 328). The MSC will be open Monday-Thursday 10am–5pm, and Friday 10am–2pm.

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

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures

Policy for Reporting Problems with eCollege

If students encounter D2L-based problems while submitting assignments and assessments, the following procedures MUST be followed.

1. Students must report the problem to the help desk. You may reach the helpdesk at helpdesk@online.tamuc.org or 1-866-656-5511
2. Students MUST file their problem with the helpdesk and obtain a helpdesk ticket number
3. Once a helpdesk ticket number is in your possession, students should email me to advise me of the problem and to provide me with the helpdesk ticket number
4. At that time I will call the helpdesk to confirm your problem and follow up with you.

PLEASE NOTE: Your personal computer/access problems are not a legitimate excuse for filing a ticket with the help desk. You are strongly encouraged to check for compatibility of your browser BEFORE the course begins and to take the eCollege tutorial offered for students who may require some extra assistance in navigating the eCollege platform. ONLY D2L-based problems are legitimate.

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

Academic Honesty

Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including (but not limited to) receiving a failing grade on the assignment, the possibility of failure in the course and dismissal from the University. Since dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced. In ALL instances, incidents of academic dishonesty will be reported to the Department Head. Please be aware that academic dishonesty includes (but is not limited to) cheating, plagiarism, and collusion.

Cheating is defined as:

- Copying another's test of assignment
- Communication with another during an exam or assignment (i.e. written, oral or otherwise)
- Giving or seeking aid from another when not permitted by the instructor
- Possessing or using unauthorized materials during the test
- Buying, using, stealing, transporting, or soliciting a test, draft of a test, or answer key

Plagiarism is defined as:

- Using someone else's work in your assignment without appropriate acknowledgement
- Making slight variations in the language and then failing to give credit to the source

Collusion is defined as:

- Collaborating with another, without authorization, when preparing an assignment

If you have any questions regarding academic dishonesty, ask. Otherwise, I will assume that you have full knowledge of the academic dishonesty policy and agree to the conditions as set forth in this syllabus.

A&M-Commerce Supports Students' Mental Health

The Counseling Center at A&M-Commerce, 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

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

Texas A&M University-Commerce
Gee Library- Room 162
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
Email: studentdisabilityservices@tamuc.edu

Website: Office of Student Disability Resources and Services

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

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:
Netiquette http://www.albion.com/netiquette/corerules.html

TAMUC 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

Copyright Policy

The handouts used in this course are copyrighted. By "handouts," I mean all materials generated for this course, which include but are not limited to syllabi, lecture notes, quizzes, exams, in-class materials, review sheets, projects, and problems sets. Because these materials are copyrighted, you do not have the right to copy and distribute the handouts.

NONDISCRIMINATION NOTICE

Texas A&M University-Commerce 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 Texas A&M University-Commerce 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 A&M-Commerce 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 A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

COURSE OUTLINE / CALENDAR

WEEKLY SCHEDULE:

(Week 1). 1.4, 1.5,
(Week 2). 1.6, 1.7, 1.8,
(Week 3). 2.1, 2.2, 2.3
(Week 4). 2.4, 2.5, 2.6
(Week 5). 2.7, 2.8, 2.9
(Week 6). Exam 1
(Week 7). 3.1, 3.2, 3.3
(Week 8). 3.4, 3.5, 3.6
(Week 9). 3.7, 3.8, 3.9
(Week 10). 4.1, 4.2, 4.3
(Week 11). 4.4, 4.5
(Week 12). Exam 2
(Week 13). 6.1, 6.2, 6.3
(Week 14). 6.4 7.1
(Week 15). Review week
(Week 16). FINAL WEEK

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