



**COURSE SYLLABUS
AND
INSTRUCTOR PLAN**

Calculus I

MATH - 2413 – 10

11:10am-01:00pm MW, Math206

Yumei Wu

NOTE: This is a 16-week F2F course

COVID 19 Notice:

McLennan Community College is committed to providing you with every resource you need to reach your academic goals including your safety. We will continue to monitor the evolving situation with COVID 19 and adjust our safety guidelines to make sure we offer a safe environment for you and our faculty. Please make sure to consult your faculty and the MCC website at <https://www.mclennan.edu/crisis-management/coronavirus-updates/index.html> on any changes to these guidelines.

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Greetings Calculus I Students! On the next pages you will find the syllabus.

Please read it carefully. Try to complete the steps below by 4:00pm Friday January 6th, 2023

Step	Action
1.	Ensure that you correspond with me using your MCC email address. Any trouble to access, please contact MCC tech support 254-299-9077 or helpdesk@mclennan.edu
2.	Login in www.mclennan.edu , access https://brightspace.mclennan.edu/d2l/login , select your course, get familiar with the links listed on the top, such as announcements, content, more.
2.	Find To-Do list in Announcement weekly, access Content, where you shall visit and work all the time for homework, grades, quizzes and more.
3	<p>Send an email from your mcc email to my email address ywu@mclennan.edu with the following: Subject: 2413 (always with this in Subject during the whole semester)</p> <ol style="list-style-type: none">1. Understand that the due dates do not mean you should start the assignments on that day but complete them by then.2. Understand the build in opportunities for managing your grade-such as taking the chapter quiz twice, working homework problems as much as needed until you make 100%, but you must complete up to at least 70% the assignment to access the next assignment.3. Know you may use the Zoom to have your office hours and that this requires WiFi access and a computer with camera and mic or a smart phone or tablet or a campus visit.4. Zoom meeting ID: 25429988095. Begun Lesson by clicking on the Lesson tab in https://brightspace.mclennan.edu/d2l/login

Course Description:

Examines the concept of limit and its relationship to differential and integral calculus. Introduces the student to topics that may include differentiation of algebraic and trigonometric functions, optimization, differentials, antiderivatives, definite integrals, numerical integration, and their applications to problem solving. Graphing calculator required.

Prerequisites and/or Corequisites:

MATH 2412 or MATH 1314 and MATH 1316, or consent of division chair. Semester Hours 4 (4 lec)

Course Notes and Instructor Recommendations:

Math 2413 in a F2F format involves optional meetings during office hours. Class notes, lecture PowerPoint will be available in Brightspace. Videos are done by both publisher and instructor lecture videos. Online homework assignments as well as videos and ancillaries will be located at www.mymathlab.com.

There are numerous other learning aids available also in Content, such as, PowerPoint slides for each section, e-book, and some important tips for using graphing calculator will be located at Content at the link <https://brightspace.mclennan.edu/d2l/home/72146>. I shall constantly keep you informed about the assignments, such as Homework, quizzes, through Announcement in <https://brightspace.mclennan.edu/d2l/home/72146>.

Instructor Information:

Instructor Name: Yumei Wu

MCC E-mail: ywu@mclennan.edu

Office telephone number: 254-299-8809

Office Location: Mathematics Building, Math212

Office Hours: Monday & Wednesday in Math212, 2:00pm-4:00pm or via Zoom. Other time is possible by making appointments.

Zoom meeting ID: 2542998809

<https://mclennan.zoom.us/j/2542998809> or

[click here to join me in the meeting](#)

Required Text & Materials:

You do need to register in Pearson mymathlab, please use the instruction: the course ID wu68875

[https://portal.mypearson.com/course-home/handout/wu68875/Student Registration Handout wu68875.pdf](https://portal.mypearson.com/course-home/handout/wu68875/Student%20Registration%20Handout%20wu68875.pdf)

Once you complete the registration in MyMathLab, you are able to access all the necessary tools. The e-book is one of them. Pay attention, if you only take Calculus I, you should use the 18-weeks access. If you plan to go on with Calculus II or III next

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semester, you should use the 24-weeks access. Once you have registered in my class, you are given the access of e-book. No hard copy is needed to our class. You may download the graphic calculator by using the link given in Content in Brightspace.

Title: 14th Edition, Thomas' Calculus: Early Transcendentals

Authors: Hass, Heil, Weir

Publisher: Pearson



TI 83/84 Graphing Calculator Required

MCC Bookstore Website: <http://www.mclennan.edu/bookstore/>

Methods of Teaching and Learning:

The following methods for teaching and learning will be used: F2F lecture on Monday and Wednesday each week, you shall have online homework and quizzes for sections, your four major Tests and Final Test will be in the classroom, you will be informed ahead. A three pronged approach is used in this course. For each instructional section, Chapters from e-Book, a blank lecture note or PowerPoint, complete lecture notes and video recording of the lecture notes worked will all be available on the website companion to this class in <https://brightspace.mclennan.edu/d2l/login>. Students will be instructed on how to use the zoom program from their smart phone, tablet, computer with camera/mic, or on campus using the technology equipment available for student use at MCC.

Students will be required to read section or chapter and to view videos from <https://brightspace.mclennan.edu/d2l/login> for further review and learning enhancement prior to the homework. All students will be required to submit homework on MyMathLab (must score at least 70% to receive credit). Reviews are provided for exams, but they are optional. There is no extra credit. Active participation in the course (asking questions, answering questions based on reading and lecture through internet) leads to improved test scores, rendering extra credit unnecessary.

Course Objectives and/or Competencies:

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Upon completion of the course, the student will be able to:

1. Develop solutions for tangent and area problems using the concepts of limits, derivatives, and integrals.
2. Draw graphs of algebraic and transcendental functions considering limits, continuity, and Differentiability at a point.
3. Determine whether a function is continuous and/or differentiable at a point using limits.
4. Use differentiation rules to differentiate algebraic and transcendental functions.
5. Identify appropriate calculus concepts and techniques to provide mathematical models of Real-world situations and determine solutions to applied problems.
6. Evaluate definite integrals using the Fundamental Theorem of Calculus.
7. Articulate the relationship between derivatives and integrals using the Fundamental Theorem of Calculus.

To be successful in this course, I strongly urge you to do the following each week:

1. Go to Brightspace, click on the Component you are working on.
2. Follow the steps in the Component Checklist in the order they appear. Do not try to skip around or work out of order. The course is designed to help you move through the Material as efficiently as possible. Pay attention to the calendar below. Begin each week by opening To-Do list for the week.

Be sure to check off items as you complete them. (this unlocks the next checklist)

Work through the course in the order items are presented in the Checklists.

Remember **Due Dates are NOT Start Dates**. Each component represents what would normally be assigned for one Week during a long semester. It is always easier to keep up than to catch up. Consequently, you may want to work ahead to build in a buffer for when “life happens”, as it usually does, at the most inopportune time.

Course Outline or Schedule

Week	Lessons/Exams
Week 1	Sec 2.1 Rates of Change and Tangents to Curves Sec 2.2 Limit of a Function and Limit Laws
Week 2 Quiz 1	Sec 2.3 The Precise Definition of a Limit Sec 2.4 One-Sided Limits
Week 3	Sec 2.5 Continuity Sec 2.6 Limits Involving Infinity: Asymptotes of Graphs

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Quiz 2	
Week 4	Review for Chapter 2 Test 1 Test 1 over Chapter 2 in person
Week 5	Sec 3.1 Tangent Lines and the Derivative at a Point Sec 3.2 The Derivative as a Function Sec 3.3 Differentiation Rules
Week 6	Sec 3.4 The Derivative as a Rate of Change Sec 3.5 Derivatives of Trigonometric Function Sec 3.6 The Chain Rule
Quiz 3	
Week 7	Sec 3.7 Implicit Differentiation Sec 3.8 Related Rates
Quiz 4	Sec 3.9 Linearization and Differentials
Week 8	Review for Chapter 3 Test 2 Test 2 over Chapter 3 in person
Quiz 5	
Week 9	Sec 4.1 Extreme Values of Functions on Closed Intervals Sec 4.2 The Mean Value Theorem
Quiz 6	Sec 4.3 Monotonic Functions & the First Derivative Test
Week 10	Sec 4.4 Concavity and Curve Sketching Sec 5.5 Indefinite Integrals and the Substitution Method Sec 5.6 Definite Integral Substitutions and Area Between Two Curves
Quiz 7	
Week 11	Sec 4.7 Antiderivatives Review T3
Quiz 8	
Week 12	Test 3 Sec 5.1 Area and Estimating with Finite Sums Sec 5.2 Sigma Notations and Limits of Finite Sums
Week 13	Sec 5.3 The Definite Integral Sec 5.4 The Fundamental Theorem of Calculus
Quiz 9	
Week 14	Sec 5.5 Indefinite Integrals and the Substitution Method Sec 5.6 Definite Integral Substitutions and Area Between Two Curves

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Quiz 10	
Week 14	Sec 5.6 Review on T4
Week 15	Final Test Review and Test 4 over Chapter 5
Week #16	Final Test on May 1 st , 11:10am-1-1:10pm

Or using the following table for the schedule:

Week Due Date	Assignments Due by 11:59pm CST	Week Due Date	Assignments Due by 11:59pm CST
Week 1	Sec 2.1-2.2	Week 9	Sec 4.1-4.3 Quiz 6
Week 2	Sec 2.3-2.4 Quiz 1	Week 10	Sec 4.4-4.6 Quiz 7
Week 3	Sec.2.5-2.6 Quiz2 Test 1 & Sec 3.1-3.3	Week 11	Sec 4.7 Review T3
Week 4	Review T1 & T1	Week 12	Test 3 Quiz 8 Sec 5.1-5.2
Week 5	Sec 3.1-3.4	Week 13	Sec 5.3-5.5 Quiz 9
Week 6	Sec 3.5-3.6 Quiz 3	Week 14	Sec 5.6 Review T4
Week 7	Sec 3.7-3.9 Quiz 4	Week 15	Test 4 & Final Test Review Ch.2-5
Week 8	Review T2 & Test 2 Quiz5	Week 16	Final Test 5/1/23

Course Grading Information:

Our grading scale is: Homework 25%, Quizzes 15%, Tests (Four major tests and the Final test) 60%. Total of all the grades is 100%.

A: +90, B: 80-89, C: 70-79, D: 60-69, F: 59 or less

Having someone else do your online homework assignment and cheating on a test are both violations of the academic integrity policy and either may result in failing grades and/or being dropped from the class. Infractions such as these will be reported to the administration for tracking and possible college action.

Late Work, Attendance, and Make Up Work Policies:

Due dates for online homework will be clearly communicated. They all are due on May 1st, 11:59pm. But you must complete at least 70% of the section to access the next section. Otherwise, it is locked to you. Each Quiz lasts for three days and is announced a week earlier and is locked until you complete the chapter homework up to 70%. For each chapter we have one test, so totally four major tests. There are no makeup tests. A missed test will be recorded as a 0 and will be dropped by the end of the semester. If a student is aware of a future absence on a test date, they may ask to arrange to take the test early.

Attendance is taken in the classroom each class meeting. If you miss more than 25% of the classes, you may be dropped from the course.

Student Behavioral Expectations or Conduct Policy:

Students are expected to maintain classroom decorum that includes respect for other students and the instructor. Students should demonstrate an attitude that seeks to take full advantage of the education opportunity. For more details of College Conduct Policy, see the Highlander Student Guide.

Having someone else do your online homework assignment and quizzes are both violations of the academic integrity policy and either may result in failing grades and/or being dropped from the class. Infractions such as these will be reported to the administration for tracking and possible college action. Students should keep careful notes of all work done in class and have them available for the instructor's review when requested.

* [Click Here for the MCC Academic Integrity Statement](http://www.mclennan.edu/academic-integrity)

(www.mclennan.edu/academic-integrity)

The link above will provide you with information about academic integrity, dishonesty, and cheating.

* [Click Here for the MCC Attendance/Absences Policy](https://www.mclennan.edu/highlander-guide/policies.html)

(<https://www.mclennan.edu/highlander-guide/policies.html>)

Click on the link above for the college policies on attendance and absences. Regular and punctual attendance is expected of all students, and each instructor will maintain a complete record of attendance for the entire length of each course, including online and hybrid courses. Students will be counted absent from class meetings missed, beginning with the first official day of classes. Students, whether present or absent, are responsible for all material presented or assigned for a course and will be held accountable for such materials in the determination of course grades. In the case of online and hybrid courses, attendance will be determined in terms of participation, as described in the course syllabus.

Updated 11/04/2022

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ACADEMIC RESOURCES/POLICIES

Accommodations/ADA Statement:

Any student who is a qualified individual with a disability may request reasonable accommodations to assist with providing equal access to educational opportunities. Students should contact the Accommodations Coordinator as soon as possible to provide documentation and make necessary arrangements. Once that process is completed, appropriate verification will be provided to the student and instructor. Please note that instructors are not required to provide classroom accommodations to students until appropriate verification has been provided by the Accommodations Coordinator. For additional information, please visit www.mclennan.edu/disability.

Students with questions or who require assistance with disabilities involving physical, classroom, or testing accommodations should contact:

disabilities@mclennan.edu 254-299-
8122
Room 319, Student Services Center

Title IX:

We care about your safety, and value an environment where students and instructors can successfully teach and learn together. If you or someone you know experiences unwelcomed behavior, we are here to help. Individuals who would like to report an incident of sexual misconduct are encouraged to immediately contact the acting Title IX Coordinator at titleix@mclennan.edu or by calling, Dr. Claudette Jackson, (Diversity, Equity & Inclusion/Title IX) at (254) 299-8465. MCC employees are mandatory reporters and must report incidents immediately to the Title IX Coordinator. Individuals may also contact the MCC Police Department at (254) 299-8911 or the MCC Student Counseling Center at (254) 299-8210. The MCC Student Counseling Center is a confidential resource for students. Any student or employee may report sexual harassment anonymously by visiting <http://www.lighthouse-services.com/mclennan/>.

Go to McLennan's Title IX webpage at www.mclennan.edu/titleix/. It contains more information about definitions, reporting, confidentiality, resources, and what to do if you or someone you know is a victim of sexual misconduct, gender-based violence or the

crimes of rape, acquaintance rape, sexual assault, sexual harassment, stalking, dating violence, or domestic violence.

Student Support/Resources:

MCC provides a variety of services to support student success in the classroom and in your academic pursuits to include counseling, tutors, technology help desk, advising, financial aid, etc. A listing of these and the many other services available to our students is available at <http://www.mclennan.edu/campus-resource-guide/>

Academic Support and Tutoring is here to help students with all their course-related needs. Specializing in one-on-one tutoring, developing study skills, and effectively writing essays. Academic Support and Tutoring can be found in the Library and main floor of the Learning Commons. This service is available to students in person or through Zoom from 7:30 am - 6:00 pm Monday through Thursday and 7:30 am - 5:00 pm on Friday. You can contact the Academic Support and Tutoring team via Zoom (<https://mclennan.zoom.us/j/2542998500>) or email (ast@mclennan.edu) during the above mentioned times.

College personnel recognize that food, housing, and transportation are essential for student success. If you are having trouble securing these resources or want to explore strategies for balancing life and school, we encourage you to contact either MCC CREW – Campus Resources Education Web by calling (254) 299-8561 or by emailing crew@mclennan.edu or a Success Coach by calling (254) 299-8226 or emailing SuccessCoach@mclennan.edu. Both are located in the Completion Center located on the second floor of the Student Services Center (SSC) which is open Monday-Friday from 8 a.m.-5 p.m.

Paulanne's Pantry (MCC's food pantry) provides free food by appointment to students, faculty and staff. To schedule an appointment, go to https://mclennan.co1.qualtrics.com/jfe/form/SV_07byXd7eB8iTqJg. Both the Completion Center and Paulanne's Pantry are located on the second floor of the Student Services Center (SSC).

MCC Foundation Emergency Grant Fund:

Unanticipated expenses, such as car repairs, medical bills, housing, or job loss can affect us all. Should an unexpected expense arise, the MCC Foundation has an emergency grant fund that may be able to assist you. Please go to <https://www.mclennan.edu/foundation/scholarships-and-resources/emergencygrant.html> to find out more about the emergency grant. The application can be found at https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf.

MCC Academic Integrity Statement:

Go to www.mclennan.edu/academic-integrity for information about academic integrity, dishonesty, and cheating.

Minimum System Requirements to Utilize MCC's D2L|Brightspace:

Go to <https://www.mclennan.edu/center-for-teaching-and-learning/Faculty-andStaffCommons/requirements.html> for information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system.

Minimum Technical Skills:

Students should have basic computer skills, knowledge of word processing software, and a basic understanding of how to use search engines and common web browsers.

Backup Plan for Technology:

In the event MCC's technology systems are down, you will be notified via your MCC student email address. Please note that all assignments and activities will be due on the date specified in the Instructor Plan, unless otherwise noted by the instructor.

Email Policy:

McLennan Community College would like to remind you of the policy (<http://www.mclennan.edu/employees/policy-manual/docs/E-XXXI-B.pdf>) regarding college email. All students, faculty, and staff are encouraged to use their McLennan email addresses when conducting college business.

A student's McLennan email address is the preferred email address that college employees should use for official college information or business. Students are expected to read and, if needed, respond in a timely manner to college emails. For more information about your student email account, go to www.mclennan.edu/studentemail.

Instructional Uses of Email:

Faculty members can determine classroom use of email or electronic communications. Faculty should expect and encourage students to check the college email on a regular basis. Faculty should inform students in the course syllabus if another communication method is to be used and of any special or unusual expectations for electronic communications.

If a faculty member prefers not to communicate by email with their students, it should be reflected in the course syllabus and information should be provided for the preferred form of communication.

Email on Mobile Devices:

The College recommends that you set up your mobile device to receive McLennan emails. If you need assistance with set-up, you may email Helpdesk@mclennan.edu for help.

You can find help on the McLennan website about connecting your McLennan email account to your mobile device:

- [Email Setup for iPhones and iPads](#)
- [Email Setup for Androids](#)

Forwarding Emails:

You may forward emails that come to your McLennan address to alternate email addresses; however, the College will not be held responsible for emails forwarded to an alternate address that may be lost or placed in junk or spam filters.

For more helpful information about technology at MCC, go to [MCC's Tech Support Cheat Sheet](#) or email helpdesk@mclennan.edu.

Disclaimer:

The resources and policies listed above are merely for informational purposes and are subject to change without notice or obligation. The College reserves the right to change policies and other requirements in compliance with State and Federal laws. The provisions of this document do not constitute a contract.