



Math 1342.001I4
Calculus I
Summer 2025
M Tu W Th 10:30 – 12:30, STEM 115

Instructor Information:

Dr. Jason Duvall
jduvall3@com.edu

Student Hours and Location:

TBA in class

Required Textbook/Materials:

Thomas' Calculus, Early Transcendentals, by Hass, Heil and Weir, 14th edition, published by Pearson. Free online access to the textbook is available to students by default as part of tuition, although students may opt out of this (though this is not recommended). A graphing calculator is needed for this course (Texas Instruments TI 83 Plus or TI 84 Plus is recommended). A TI 89 or higher cannot be used in this course. You will need access to the internet to access course materials using MyLab Math. If you do not have your own internet access, you can get access on campus in the Innovations Computer Lab, TVB 1324, the library, and the Tutoring Center.

Required Technology:

A TI-84 Plus graphing calculator is required for this course. A TI-89 or higher or a TI-Nspire are not permitted. Internet capability is also required to gain access to course materials and online assignments via MyLab Math software.

Course Description:

This course covers limits and continuity, the Fundamental Theorem of Calculus, definition of the derivative of a function and techniques of differentiation, applications of the derivative to maximizing or minimizing a function, the chain rule, mean value theorem, rate of change problems, curve sketching, definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with applications to include calculation of areas.

Course Requirements:

Homework Assignments: There is one homework assignment for each section to be completed online using MLM.

Quizzes and Exams: There are 6 quizzes, 4 chapter-exams and a comprehensive final exam. All quizzes are to be done online using MML. You can retake each quiz just once to improve your score; the higher score will be the one that counts.

Exams: All exams are taken in the classroom. There are no retakes on any of the exams.

Determination of Course Grade/Detailed Grading Formula:

Final Average = $.60 * (\text{Exam Average}) + .15 * (\text{Comprehensive Final Exam}) + .15 * (\text{Homework}) + .10 * (\text{Quizzes})$

Late Work, Make-Up, and Extra-Credit Policy:

Late work will be penalized 20%. There is no extra credit.

Attendance Policy:

Regular attendance is strongly recommended but not required.

Communicating with Your Instructor:

ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means.

Student Learner Outcomes:

Student Learner Outcome | Maps to Core Objective | Assessed via this Assignment

Develop solutions for tangent and area problems using the concepts of limits, derivatives, and integrals || Quizzes 1, 6

Draw graphs of algebraic and transcendental functions considering limits, continuity, and differentiability at a point | Communication Skills | Quiz 4, Exam 3

Determine whether a function is continuous and/or differentiable at a point using limits || Exam 1

Use differentiation rules to differentiate algebraic and transcendental functions || Exam 2

Identify appropriate calculus concepts and techniques to provide mathematical models of real-world situations and determine solutions to applied problems | Critical Thinking | Quizzes 3, 5, Exam 2

Evaluate definite integrals using the Fundamental Theorem of Calculus | Empirical and Quantitative Skills | Quiz 6, Exam 1

Academic Dishonesty:

Cheating, including collaboration with classmates, is prohibited.

Student Concerns:

If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact the math department chair, Leslie Richardson, at lrichardson@com.edu.

Course Outline:

A calendar with all assignment due dates, drop dates, etc., can be found in MyLab Math.

Institutional Policies and Guidelines

Grade Appeal Process:

Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook, located at https://www.com.edu/student-services/docs/Student_Handbook_2024-2025_v2.pdf.

An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.

Academic Success & Support Services:

College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement:

Any student with a documented disability needing academic accommodation is requested to contact Kimberly Lachney, Student Accessibility Services Coordinator, at:

Phone: 409-933-8919

Email: AccessibilityServices@com.edu

Location: COM Doyle Family Administration Building, Student Success Center

Textbook Purchasing Statement:

A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy:

Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1st 5-week session is June 30. The last date to withdraw from the 10-week session is July 29. The last date to withdraw for the 2nd 5-week session is August 1.

FN Grading:

The FN grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The FN grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the FN grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an FN grade.

Early Alert Program:

The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone

in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

Resources to Help with Stress:

If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here <https://www.com.edu/community-resource-center/>. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Office of the Dean of Students office at deanofstudents@com.edu or at communityresources@com.edu.

Nondiscrimination Statement:

The College District prohibits discrimination, including harassment, against any individual on the basis of race, color, religion, national origin, age, veteran status, disability, sex, sexual orientation, gender (including gender identity and gender expression), or any other basis prohibited by law. Retaliation against anyone involved in the complaint process is a violation of College District policy.