

MTH-293 – Calculus III Course Syllabus

Course Code:

MTH-293

Course Title:

Calculus III

Course Description:

This is the third course in the standard Calculus sequence. This course covers differential, integral and vector calculus for functions of more than one variable. To confirm transfer equivalency, consult a counselor or check the Web page of the college to which you are transferring. A graphing calculator is required for this course. See the time schedule for current brand and model.

Prerequisites:

Academic Reading and Writing Levels of 6; MTH 192 minimum grade "C"

Outcomes and Objectives:

[Please refer to the MTH-293 Master Syllabus](#)

Required Text and Software:

Please confirm edition with [WCC Website](#) or go to the WCC Bookstore and use the Find the Course Materials feature to view the required and recommended course materials: <https://washtenaw.bncollege.com/course-material/course-finder>

- Calculus Early Transcendental Functions by Larson/Edwards, Any Edition (hard cover or e book).
- WebAssign bundled with the e-book (online homework).

Recommended to purchase the e-book and WebAssign bundled together since it is significantly cheaper. The bundle will allow you to electronically connect the text and homework together and give you access to additional resources. If you buy a new hardcover or loose textbook, make sure it includes the access code for WebAssign. Used textbooks will not include WebAssign.

Required Supplies:

- TI-83, TI-83 Plus or TI 84 Plus graphing calculator
- CamScanner App

Time Commitment

The time required to complete the course activities is approximately twelve to fifteen hours per week. It is recommended that you become disciplined about logging in and participating in the online classroom at least 5 days each week. This will allow you to keep a steady pace over the semester. This course has been developed to have a Monday to Sunday assignment and due date rhythm.

Expectations and Availability of Instructor

It is my intent to respond to your emails as soon as I am able, and I will reply within 48 hours. If you have not heard from me after 48 hours, please send me a follow-up reminder email.

Teaching and learning online is challenging, especially for mathematics. Getting help as soon as possible is critical for your success. If an email explanation is not adequate, Google Hangout or Skype works quite well.

Every semester very few students seek help from me. The ones that have sought help were shocked to find that it sometimes takes just a few minutes to go from “completely lost” to “back on track.” Please contact me if you need my help.

Grading

- Grades are posted in Blackboard under My Grades.
- Grading is typically completed within a week of the due date.

WebAssign

There are two types of homework assignments: WebAssign and hand-written assignments. WebAssign is an online homework site that provides instant feedback and some helpful tools to guide you. You will have multiple attempts to get each WebAssign homework problem correct. However, after 5-6 incorrect answers, either review the material or contact me. Do not guess and do not always work backward from the solution. If you have extenuating circumstances (power outage, internet problems, etc.) that prevent you from completing an assignment, contact me as soon as possible. WebAssign exercises count for 15% of your grade.

WebAssign allows you to do your assignments for 14 days for FREE! That means you can start your homework immediately, so there is no good reason for missing homework for 14 days. After 14 days, you will have to purchase WebAssign.

Written Assignments

Calculus 3 contains many problems that require a lot of work. As you know, missing one step is very frustrating since it makes the entire problem incorrect even though you might have just made a simple computation error. To help reduce this frustration you will be assigned written homework. This will allow the instructor to look at your work and make comments for improvement. The written assignments count for 15% of your grade.

CamScanner

You must have access to a device that is capable of sending all written assignments to your instructor. In the course orientation, there is a link to an excellent and easy to use app called CamScanner: [CamScanner Tutorial](#). You will use CamScanner to scan all handouts with your answers. Please include all pages in the same document using this feature on the app:

<https://www.youtube.com/watch?v=pc7dkXaer2s>

Tiny Scanner and other apps may be used but please send one document containing multiple pages.

Discussion Boards

Discussion boards help promote a group learning experience. It is my hope that you will make connections with other students in the class to work on assignments together. In my face-to-face classroom, students work together on problems and find the experience quite valuable.

Proctored Exams

There are three options for proctoring the midterm and final exams:

1. The WCC Testing Center
2. An approved testing center in another location. Most colleges have an approved testing center. You will need to contact the college you plan to use in order to inquire about their specific policies. Then e-mail me and let me know what steps I need to take to have your exam proctored.
3. Examity. Use this option only if neither of the above options work for you. If you choose this option, you will need a computer with a camera so that the proctor can monitor you as you take the exam. You will also have to have access to a printer to download the written exam. After writing your work and answers on the exam you will need a smart phone to take a picture of your completed exam in order to send it back to Examity.

Please use a Testing Center if you can. Internet connections, computer and printer malfunctions have caused some stress for students in previous semesters.

Proctored Chapter Exams

There will be three exams, Exam 1: Chapter 11, Section 12.1 and Section 12.2; Exam 2: Chapter 13; Exam 3: Chapter 14. The dates for the chapter exams are in the class schedule, but you may take them earlier than the deadline.

Proctored Cumulative Final Exam (All Chapters)

At the end of the semester there will be a cumulative final exam covering chapters 11 – 15 with a focus on Chapter 15. The final exam date is in the class schedule.

Exam Reviews

In the Handouts folder on Blackboard, you will find an exam review for all three exams. If you can successfully do the problems on the review, you will do well on the exam. However, I do ask conceptual questions on exams to see if you fully understand the concepts behind the problems.

A minimum grade of 50% is required on the final exam. Students who do not take the final exam, or receive less than 50%, will receive less than 50%, will receive a F grade in the course. Keep this in mind as you do the work in the course.

Grades

The WebAssign Grade, Written Exercises Grade, Three Exam grades and the Final Exam Grade will then be combined to form a cumulative grade.

Communication

Email Communication

- Please send emails from your **WCC** account to be in compliance with [federal privacy regulations](#).
- Provide a clear subject line with MTH-293.
- Always include your first and last name in the email message.
- You should make a habit of checking your WCC e-mail on a regular basis since I do send out information throughout the semester.

Academic Integrity:

Plagiarism and other forms of academic dishonesty will result in discipline according to the [WCC Student Rights & Responsibility guidelines](#). Always complete your own work using your own words. If you do use information, ideas, or words from other sources, credit that source using MLA or APA format.

Accommodation of Special Needs:

[Learning Support Services Department](#) provides support to students who may need accommodation for documented disabilities, or other learning need. WCC will work with you to accommodate any of your individual learning needs, however, I need to know of any requests in advance in order to make the necessary arrangements.

WCC Student Policies and Support Information:

Review the material within the Washtenaw Community College Student Policies and Support Information for additional policies and procedures that affect you and your course. Find this information [on this shared page](#).