

# Syllabus

## Course Information

### Course Description

In this course we study integration and applications of the definite integral; several techniques of integration and improper integrals, curves defined by parametric equations, arc length, surface area, polar coordinates, infinite series, and Taylor and McLaurin series.

### Course Objectives

At the end of the course, the student should be able to compute complicated integrals with a wide variety of techniques learned in this course, the length of a curve in two dimensions, and be able to work with area between curves and arc length of a curve in both Euclidean and polar coordinates. The student should be familiar with infinite series, be able to sum simple series (geometric, telescoping) and be able to apply a wide variety of tests to determine convergence or divergence of a series. Finally, the student will be able to compute the Taylor or Maclaurin series of a given function, find the radius of convergence and the interval of convergence, and derive related series through integration and differentiation of series.

### Prerequisites and Corequisites

Math 1910 with a grade of C- or better or **both** Math 1830 (Elementary Calculus) and Math 1900

(Experience/Calculus) with a grade of C- or better. A STRONG working knowledge of Calculus 1 will be essential for success in this course.

## Course Topics

Chapters 6-11. (Some sections may be omitted depending on time constraints.)

## Course Organization and Meetings

Since this course is *entirely remote instruction for the entire semester*. Lectures will be done synchronously but recorded so that you can refer to them later.

Lectures **must be watched synchronously** through Zoom to receive credit towards class participation and attendance. The link and password which must be used to enter the meeting will be posted in each submodule. These sessions will be recorded and posted in Ecourseware. But in order to receive credit towards class participation, you must attend these Zoom sessions **LIVE**.

Homework questions will be answered at the beginning of each class. We will spend 10-15 minutes, so please have your questions ready when class begins.

In some modules in this course you will find Discussion Boards on various topics. Your participation in these Discussion Boards also counts towards your class participation grade.

## Course Contract

In section F. of *Getting Started* you will find the Course Contract which must be downloaded, signed, and

uploaded as a pdf into Dropbox. The contract states that you have read and understand all the material in the Getting Started Module and understand the ground rules of the course. The signed course contract is due Friday, January 22, 2021.

The course contract must be received before you will receive credit for any work in this course, and you will receive a 0 for any work (homework, quizzes exams) submitted before the contract is received.

## **Office Hours**

Office hours will be held via Zoom on Fridays from 9:30-10:30:00 am.

Other times for office hours will be appointment if you have class at the regular office hours slot.

## **Specific Course Requirements**

Students should have a very strong working knowledge of all of the differentiation and integration rules from Calculus 1. These techniques will be necessary to carry out the calculations involved in the homework problems, quizzes, and the Midterm and Final Exams. I strongly recommend you review all these Calculus 1 rules since it is impossible to do the problems in Calculus 2 without knowing them VERY well.

# Textbooks, Supplementary Materials, Hardware and Software Requirements

## Required Textbooks

*Calculus, Early Transcendentals*, 8th Edition by James Stewart. Textbooks are available from the University Store at 901-678-2011, and online at:[http://](http://umemphis.bncollege.com)

[umemphis.bncollege.com](http://umemphis.bncollege.com)

[opens in new window](#)

[opens in new window](#)

## Supplementary Materials

Webassign for the Stewart 8th edition book is required for online homework assignments. You must enroll in Webassign through the link in this course. You can find more instructions in the WebAssign module.

## Hardware and Software Requirements

The minimum requirements can be found at <https://www.memphis.edu/uofmglobal/services/technology/requirements.php>

[opens in new window](https://www.memphis.edu/uofmglobal/services/technology/requirements.php)

[opens in new window](https://www.memphis.edu/uofmglobal/services/technology/requirements.php)

.

# Assessment and Grading

## Testing Procedures

- Exams will be online using Ecourseware.

- Quizzes will be online through Ecourseware. Some quizzes will be given over a weekend, while some quizzes will be done during class. If you are not in class to take the quiz at the appointed time, you will NOT be allowed to make it up later. (This is designed to strongly encourage you to be in class.) You may visit the **quiz ONE time and ONE time only**. Once you start, you will not be allowed to stop and restart.
- During exams, you may use your text book and personal notes, but contacting anyone else in ANY manner (and that includes searching the web or ANY site) is a violation of the Code of Student Conduct and will be prosecuted.
- Arrive on time for each online test. Any tardiness will cost you working time on the test; you will not be granted extra time if you are late. Exams will be monitored on Zoom. There is NO LEAVING a test for ANY reason (no bathroom breaks, etc). If you leave the frame of view without turning in your exam, your exam will not be graded and you will receive a 0 for the exam. Grading Procedure
- Grades will be based on the Midterm Exam (33% of the final grade), homework (12% of the final grade) and quizzes (15% of the final grade), class participation (3% of the final grade) and the Final Exam (37% of the final grade).

- **THERE ARE NO MAKEUPS FOR MISSED EXAMS OR LATE ASSIGNMENTS, even if you have an excuse.**
- If you miss a test FOR ANY REASON, even if you inform me in advance, you get a 0 for that test.
- The Final Exam is **COMPULSORY**. Failure to take the Final Exam will result in an F in the course.

## Grading Scale

The plus/minus system will be used in grading. The following grade scale will be used:

A	90-100
A-	88-89
B+	85-87
B	80-84
B-	78-79
C+	75-77
C	68-74
C-	65-67
D	60-65
F	59 and below

## Assignments and Participation

### Assignments and Quizzes

Homework will be assigned via Webassign; there will be homework assigned for each section we cover. Homework and deadlines are clearly listed on the Webassign Assignment page for the course. LATE

HOMEWORKS will NOT be accepted and no extensions will be granted, so check your homework due dates carefully. At the end of the semester, homework will be compiled and the percentage of correctly completed homework problems will determine your homework score. The grade scale for the course will be used to assign the letter grade for Homework, which is 15% of your final grade.

Quizzes will be given throughout the semester. At the end of the semester, the percentage of total points on quizzes will determine the letter grade for your Quiz Grade (12% of your final grade) using the grade scale for the course.

### **Class Participation**

Attendance is important and will be monitored. Every student is required either to be in class when synchronous class is offered and to stay for the entire class. You may view the recorded sessions if live attendance is not possible, but you do not receive credit for class attendance. Repeated absences will be reported to your academic advisor. Asynchronous lectures must be viewed through Ecourseware to receive credit towards class participation (3% of your final grade).

In some modules students are required to view online material or complete homework assignments to enable viewing of the online quiz. Please remember NO LATE

QUIZZES will be accepted, so it is very important to view the Assignment and Quizzes section often to review deadlines.

Students are encouraged to work together as well as solo on homework assignments. Discussion threads and chat rooms are great resources for working together in a socially distanced environment.

## Course Ground Rules

- **Participation is required.** Students are expected to attend class. Students are expected to participate in the Zoom online homework and review sessions, to learn how to navigate in Ecourseware, and to keep abreast of course announcements. Students must use the assigned university e-mail address rather than a personal e-mail address to communicate; technical problems should be addressed immediately. Students must observe course etiquette at all times.
- **No make-up for missed assignments or tests** (even if you have an excuse). All quizzes not completed on time earn a 0.
- **No make-up for the Midterm or Final Exam.** You must be present to take the exams at the time required.
- **Arrive on time for each test.** Any tardiness will cost you working time on the test; you will not be

granted extra time if you are late. Tests must be submitted as a single pdf file with the name "YOURNAMETESTX".

- You may visit the **quiz ONE time and ONE time only**.

## Guidelines for Communication

### Email

- Always include a subject line.
- Remember without facial expressions some comments may be taken the wrong way. Be careful in wording your emails. Use of emoticons might be helpful in some cases.
- Use standard fonts.
- Do not send large attachments without permission.
- Special formatting such as centering, audio messages, tables, html, etc. should be avoided unless necessary to complete an assignment or other communication.
- Respect the privacy of other class members

### Discussion Groups

- Review the discussion threads thoroughly before entering the discussion. Be a lurker then a discussant.
- Try to maintain threads by using the "Reply" button rather starting a new topic.

- Do not make insulting or inflammatory statements to other members of the discussion group. Be respectful of others' ideas.
- Be patient and read the comments of other group members thoroughly before entering your remarks.
- Be cooperative with group leaders in completing assigned tasks.
- Be positive and constructive in group discussions.
- Respond in a thoughtful and timely manner.

## Chat

- Introduce yourself to the other learners in the chat session.
- Be polite. Choose your words carefully. Do not use derogatory statements.
- Be concise in responding to others in the chat session.
- Be prepared to open the chat session at the scheduled time.
- Be constructive in your comments and suggestion

## Web Resources

- [Columbia Guide to Online Style opens in new window](#)  
[opens in new window](#)  
by Janice R. Walker and Todd Taylor (2nd Edition)
- Citation Styles Online - [Purdue Owl opens in new window](#)  
[opens in new window](#)

# Plagiarism and Integrity

Plagiarism, cheating, and other forms of academic dishonesty are prohibited.

Students guilty of academic misconduct, either directly or indirectly, through participation or assistance, whether on a homework assignment, quiz or exam, **will result in an F for the entire course.**

Expectations for academic integrity and student conduct are described in detail on the [Office of Student Accountability](#)

[opens in new window](#)

[opens in new window](#)

website. Please read in particular, the section about

["Academic Integrity](#)

[opens in new window](#)

[opens in new window](#)

".

## Turnitin.com

"Your written work will be submitted to [Turnitin](#)

[opens in new window](#)

[opens in new window](#)

, or a similar electronic detection method, for an evaluation of the originality of your ideas and proper use and attribution of sources. As part of this process, you may be required to submit electronic as well as hard copies of your written work, or be given other instructions to follow. By taking this course, you agree that all assignments may undergo this review process and that the assignment may be included as a source document in Turnitin.com's restricted access database solely for the purpose of detecting plagiarism in such documents. Any assignment not submitted according to the procedures given by the instructor may be penalized or may not be accepted at all.”

## Library, Tutoring, and Other Resources

- The myMemphis Portal system, eCampus Student tab provides access to [University library opens in new window](#)  
[opens in new window](#)  
.
- The tutoring link in the course navigation bar provides access to free online tutoring through [UpSwing opens in new window](#)

opens in new window

▪



- The [Lynda.com opens in new window](#)  
opens in new window  
link in the course navigation bar provides free  
access to thousands of video tutorials.



- Other support services are available through the  
[Educational Support Program opens in new  
window](#)  
[opens in new window](#)

▪

## Students With Disabilities

Qualified students with disabilities will be provided reasonable and necessary academic accommodations if determined eligible by disability services staff at the University of Memphis. Prior to granting disability accommodations in this course, the instructor must receive written verification of a student's eligibility for specific accommodations from the disability services staff. It is the student's responsibility to initiate contact with [Disability Resources for Students](#)  
opens in new window

[opens in new window](#)

(DRS) and to follow the established procedures for having the accommodation notice sent to the instructor.

## Sexual Misconduct and Domestic Violence Policy

This policy specifically addresses sexual misconduct which includes dating violence, domestic violence, sexual assault, and stalking. The policy establishes procedures for responding to Title IX-related allegations of sexual misconduct. Complaints can be reported to the [Office for Institutional Equity](#)

[opens in new window](#)

[opens in new window](#)

(OIE). The OIE office is located in the Administration Building, Room 156 You may contact OIE by phone at 901.678.2713 or by email at [oie@memphis.edu](mailto:oie@memphis.edu).

Complaints can be submitted online at [File a Complaint](#)

[opens in new window](#)

[opens in new window](#)

.

## Non-Discrimination and Anti-Harassment Policy

University policy prohibiting discrimination and harassment based on protected characteristics and classes. Complaints of discrimination and harassment

can be reported to the Office for Institutional Equity (OIE). You may contact OIE by phone at 901.678.2713 or by email at [oie@memphis.edu](mailto:oie@memphis.edu). The full text of the policy can be found at [GE2030 -](#)

[NONDISCRIMINATION AND ANTI-HARASSMENT](#)

[opens in new window](#)

[opens in new window](#)

.

## Technology Requirements

The following is a list of the minimum requirements to use our learning management system. Some courses will have more advanced requirements.

- Access to a reliable, high-speed Internet connection (DSL or Cable).
- Test your device to ensure it is compatible with our LMS (Learning Management System) using the [System Check Wizard](#).
- Open PDF files using the free downloadable software at [Adobe Acrobat Reader DC opens in new window](#)  
[opens in new window](#)
- .
- Access Flash-based content with [Adobe Flash Player](#) (free).
- Use Microsoft Office [Software for Faculty, Staff, and Students opens in new window](#)

[opens in new window](#)

for document creation.

**Play media content with Real Player**

[opens in new window](#)

[opens in new window](#)

(free). [Quick Time](#)

[opens in new window](#)

[opens in new window](#)

(free), or [Windows Media Player](#)

[opens in new window](#)

[opens in new window](#)

(free).

## Syllabus Changes

The instructor reserves the right to make changes as necessary to this syllabus. If changes are necessitated during the term of the course, the instructor will immediately notify students of such changes both by individual email communication and posting both notification and nature of change(s) on the course bulletin board.

## COVID Information

For up to date information about COVID on campus, see [this link](#).

[opens in new window](#)

[opens in new window](#)

Students who have a positive COVID-19 test should contact the Dean of Students at [deanofstudents@memphis.edu](mailto:deanofstudents@memphis.edu).

## Technical Support

Call the Helpdesk: 901-678-8888

Online Helpdesk: To report an issue or request assistance, contact [umTech - Information Technology Services](#)

[opens in new window](#)

[opens in new window](#)

▪