Math 142: College Calculus II

Instructor(s)

Lecturer: Mark Sullivan
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    Office hours: M,W, 12:30 PM - 2:00 PM (and by appointment)
Teaching assistant: Mark Sullivan

Prerequisites

MTH 141, with a recommended grade of C or higher. MTH 121 is usually not adequate preparation for MTH 142.

Textbook

James Stewart, <u>Calculus, Early Transcendentals</u>, Math 141, 142 8th custom UB edition

Meeting times

Tuesday, September 1st, 2020 - Thursday, December 10th, 2020

Lectures: Tuesdays and Thursdays, 12:45 PM to 2:00 PM
Recitations:
    Section V1: Tuesdays, 2:20 PM to 3:10 PM
    Section V2: Thursdays, 2:20 PM to 3:10 PM

The lectures for this course will be pre-recorded, and available for viewing at least the morning before each class time. The recitations for this course will be held live over Zoom (see **Online resources** for more information).

Course description

This is the second part of a 3-semester sequence in calculus for students of mathematics, natural sciences and engineering. MTH 142 covers Chapters 6-8 and 10-11 of the text, which include material on techniques of integration, applications of integration, parametric equations and polar coordinates, and infinite sequences and series.

Assignments and grades

Homework will be assigned frequently throughout the course, but the homework assignments themselves will not be graded. For each section, there will be exactly five problems assigned.

Quizzes will be given weekly, excepting the first week of classes, and weeks following midterm tests. These quizzes will consist of problems similar to those from the homework. They will become available on Tuesdays, at 12:45 PM ET, and will remain available until 1:15 PM ET. Quizzes will account for 20% of your final grade.

There will be **two midterm tests** throughout the semester. These tests will not be cumulative; no question that could have been asked on Test 1 will appear on Test 2. Your lowest test will account for 20% of your final grade. The other test will account for 30% of your final grade.

There will be a **cumulative final exam** for the course. See **Final exam information** for more details. It will account for 30% of your final grade.

To summarize:

Quizzes:	20%
Your lowest midterm test:	20%
The other midterm test:	30%
Cumulative final:	30%

The following system will be used to assign letter grades:

Range	Grade
94-100	A
90-93	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
67-69	D+
65-67	D
0-64	F

Final exam information

There will be a cumulative final exam for the course, scheduled for the following time:

Friday, December 18th, 2020, 11:45 PM - 2:45 PM

This exam is standard for all Math 142 sections throughout the Mathematics Department. (If you have a conflict or some other legitimate reason for which you cannot attend the final exam at this time, you **must** inform me immediately.)

Expectations

Despite the pandemic, this is a serious university mathematics course, and it comes with the usual kinds of expectations, even if certain adjustments to our literal behavior must be made. The following technologies are **essential**, not suggested:

1. Stable Internet access throughout the course.

2. A computer which can use the Respondus LockDown Browser (see **Final exam information**). Chromebooks cannot do this.

3. A second device with a camera and Internet access, such as a tablet or smartphone.

If you do not have access to all of these types of devices, then you must inform me immediately, no later than Monday, September 7th, 2020.

Additionally, if, during the course of the semester, you are unable to fulfill what would otherwise be expected of you (example: a power outage causes you to be unable to access or submit a quiz), then you **must** inform me immediately. For this reason, I have provided my cell phone number at the beginning of this syllabus. If your excuse is legitimate, and you inform me of the problem with appropriate haste, then I will be willing to discuss accommodations. If you fail to do so, then there won't be much that I'll be able to do to help.

This is a Controlled Enrollment Course. If you need to repeat this course in the future (because you failed it, resigned from it etc. at the first attempt) you may be forced to do it in a UB summer or winter session. Registering to repeat this course in a Fall or Spring semester may be difficult or impossible. For more information see the Repeat Policy in the UB Undergraduate Catalog: `https://catalog.buffalo.edu/policies/repeat.html`.

Accessibility

Reasonable accommodations for equal access to this course because of disability should be requested through Accessibility Resources located at 60 Capen Hall, (716) 645-2608.

Online resources

Seeing that this course will be (by necessity) mostly online, there will be quite a few online resources that you will need to reference from time to time. All of these resources will be linked on UB Learns.

Course webpage:

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https://tinyurl.com/y6czrx98
```

All homework assignments and lecture notes will be posted here. This webpage also contains links to everything below and more.

Course calendar, and recitation links:

```
https://tinyurl.com/y43q8wzl
```

This calendar will document every major event in the course, and provide links to the recitation meetings through Zoom. This calendar is subject to change, and I will be updating it throughout the semester.

Gradescope:

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https://www.gradescope.com/courses/176518
```

You'll need to use this site in order to access all of your quizzes and tests, and also to view your grades.

Course guide:

```
https://tinyurl.com/y27x4zrm
```

This document was created by the department to give students and instructors an idea of what the expectations for the course should be.

Suggested problems:

```
https://tinyurl.com/yy855lv9
```

If you ever feel like you need some more practice, you can try these problems.