

MATH 126: Calculus II

Fall 2020

Lecture time and location: MWF 1 pm - 1:50 pm, online via Zoom.

Instructor: Yuan Gao

Office: KAP 262B

Office Hours: USC campus is not open on Fall 2020. You are encouraged to write emails to me to ask questions regarding the course.

Email: gao403@usc.edu

Teaching Assistant: TBA

Email: TBA

Discussions: session 39520R, Tue, Thu 2:00 pm - 2:50 pm, online; session 39521R, Tue, Thu 3:00 pm - 3:50 pm, online.

Course Description: This course is a continuation of the study in single-variable calculus, with a focus on integration. We will cover topics including inverse trigonometric functions, trigonometric substitutions, partial fraction substitutions, trigonometric polynomials and rational trigonometric fractions, advanced integration methods, improper integrals, indeterminate forms, infinite series, Taylor expansion, cartesian and polar coordinates, planar parametric curves.

Textbook: James Stewart, Essential Calculus, Second Edition, ISBN: 9781133112297.

Prerequisite: Math 125 - Calculus I.

Grading policy:

- Homework 15%
- Quizzes 10%
- Two Midterm Exams, 20% each (total 40%)
- Final Exam 35%
- Individual homework assignment, quiz, midterm or the final exam will not be curved. Only the total scores will be curved for better letter grade distribution. Curving usually improves your final grade (if applicable).

Homework:

- Assignments will be given weekly, posted on Blackboard.
- Homework is usually due on the next Thursday at 11 pm PST, unless otherwise notified.
- Late homework is acceptable, but subject to score reduction: if you submit the homework 1 day late, you may only get 80% of the total points for questions which you answer correctly; and 2 more days late means only 50%.

Quizzes:

- Except the first week and the last three weeks, there is a quiz once a week, given during Thursday discussion sections. There will be 12 quizzes in total.
- Each quiz will consist of 2 problems related to the material covered in that week and the previous week, and should last about 15 minutes long.
- No notes, no books, no calculators will be allowed during the quizzes. (The problems should be designed so that the numbers are easy enough to manipulate without calculators.)

- Unless due to emergency or illness reasons, there is no make-up quiz, but the lowest two quiz grades will be dropped (thus 10 highest quiz grades will be counted). For a makeup quiz due to emergency or illness, an official document with designate signature is required as a proof.

Exam Policy:

- There will be three exams: 2 midterms and 1 final exam. Since USC is only holding online lectures in Fall 2020, the exams will go online as well. We expect to proctor the exams via Zoom.
- The midterm exams are short exams, held in lecture times. The exact dates of these exams are TBA.
- Unless due to emergency or illness, there is no make-up for any of the two midterm exams. If that unfortunately happens, you will have two choices to make up for the grade.
Option 1: you may take a make-up exam, which however will consists of different questions. To do this, you must present to me an official document with designate signature as a proof.
Option 2: you may choose to distribute the grade equally to the other midterm exam and the final exam.
- The final exam is cumulative, and is a common exam written by the Mathematics Department. It is the University's policy that no common final exams may be taken early or skipped.
- There is ABSOLUTELY NO makeup for the final exam. If due to emergency or illness reasons you miss it, the only solution to this problem is that you will be given an IN(incomplete) for the course grade and will have to resolve the IN by taking the common final exam for this course in a subsequent semester.
- A simplified or standard scientific calculator can be used, but not a graphing calculator.
- No cheat sheets or other types of notes are allowed.
- No cell/smart phone, smart watch, or other electronic device will be allowed during an exam.

Academic Integrity:

- ABSOLUTELY NO CHEATING.
- No cellphones, laptops, or any other electronic devices with or without internet access which help you get an answer are permitted during a quiz or an exam.
- No one is allowed to communicate with others (including those outside the room) or steal others' solutions during a quiz or an exam.
- You are encouraged to collaborate on homework, but should not directly copy others' answers.
- If you need to know more about integrity (vs dishonesty), refer to [Trojan Integrity Guide](#).

Disability Services: Any student requesting accommodations based on a disability is required to register with [Disability Services and Programs \(DSP\)](#) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me as early in the semester as possible. DSP is located in 301 STU and is open 8:30 a.m.-5:00 p.m., Monday through Friday.

<https://dsp.usc.edu>

Phone: 213-740-0776

TDD only: 213-740-6948

Fax: 213-740-8216

Email: ability@usc.edu