

MATH125: Calculus 1

Spring 2022

Lectures: Monday, Wednesday, Friday from 12:00 - 12:50 in LVL 16.

Instructor: Tommaso Cremaschi.

Office: 248G Kaprielian Hall.

Email: cremasch@usc.edu. You can address me as Tom. I usually reply in 24hrs if I don't feel free to bug me again. Any questions are welcomed however, if you have a specific math question and the answer is more complicated than a yes/no I might just tell you to come to office hours.

Office Hours: Monday 10:00-11:50 and Friday 13:30-14:30.

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

Prerequisite: Math 108.

Course content: Limits, continuity, derivatives and applications, antiderivatives, integral of a function, the fundamental theorem of calculus, exponential and logarithmic functions. We will cover sections 1.1-1.6, 2.1-2.8, 3.1-3.5, 3.7, 4.1-4.5, and 5.1-5.5.

Learning objectives: By the end of the semester, you will be familiar with most of the basic methods and concepts of the theory of a function of a single variable. Undoubtedly, the key result this semester will be the fundamental theorem of calculus which relates the integral of a continuous function to the antiderivative of this function. We will also explore some applications of early calculus to physics.

Blackboard: Weekly homework assignments and grades will be posted on Blackboard <http://blackboard.usc.edu>. It is everyone's responsibility to visit the website on a regular basis.

Teaching Assistant: TBA

Email: TBA

Office Location: check:

<https://dornsife.usc.edu/mathcenter/consulting-hours/>

Office Hours: Math Center Schedule on TBA.

Discussion sections: TBA.

Math Center: The Math Center is located online (<https://usc.zoom.us/j/93327683617>) and is open on Monday to Thursday 8am to 7pm and Friday 8am to 5pm. It is primarily run by math graduate students here at USC. The office hours of your TA will also be held in the Math Center, although you can go to the Math Center at any time it is open to ask for help. See <https://dornsife.usc.edu/mathcenter/> for more up to date informations.

Homework: Homework is where you will practice problems, some of which may be harder or take more time than those given in lecture or discussion. Assignments, with the textbook problems and due dates, will be posted on Gradescope under *Homework*. They will be due on the stated deadline by 11:59 p.m., and submitted online on gradescope. Your work must be scanned into a readable, uploadable file form, such as a photo or pdf. Submissions by e-mail, or outside of the gradescope submission form will not be accepted. Your homework will be graded for completeness, and a select few problems from your homework will be checked for correctness. Late homework is not accepted. The lowest two homework scores will be dropped.

Quizzes: There will be weekly quizzes, given during discussion on Thursday. Each quiz will contain problems from homework questions due that week or class material and from historic class finals. There will be no make-ups on quizzes for any reason, but your lowest **two** scores will be dropped.

Exams: There will be exactly 3 exams. The first two will be held in our regular room and time. If you cannot be there on the date of an exam, you must contact me at least a week **before** the exam to make other arrangements. If you no-show for an exam and attempt to contact me afterward, do not expect to be allowed a make-up exam.

The Final will be a **cumulative** exam. It is university policy that no student may take this exam early or be allowed to skip it, so plan your travel appropriately.

- **Exam 1:** February, Wednesday 2/23 (tentative).

- **Exam 2:** April, Friday 4/1 (tentative).
- **Final Exam:** Wednesday May 11, 8:00-10:00.

If there is a scheduling conflict for an exam, you must let ME (NOT the TA) at least 2 weeks before the examination. A scheduling conflict must involve an activity sponsored and approved by USC (marching band, athlete event, etc.). In particular, the university club or organisation in question must send an official request, with the Dean's approval, to all faculty. Personal activities do not qualify. FAILURE TO ATTEND AN EXAMINATION WILL NOT BE EXCUSED UNDER NO CIRCUMSTANCES.

Exam/Assignment Policy: For quizzes you may use a standard scientific non-graphing calculator. Just make sure to show work on the actual assignment. For exams you cannot use a calculator but you can use a 8.5"x11" sheet of notes, front back, handwritten.

Catastrophic internet failure in case of online lectures: In the unfortunate event that my internet cuts down (say for 5+ minutes) and I am unable to resume the lecture I will separately record the full lecture and upload it to blackboard.

Grading and Curves: Your grade for the course will be calculated as follows:

- Homework: 15%
- Quizzes: 10%
- Midterms: 20% each
- Final: 35%

Individual exams and quizzes will **not** be curved, except in the rare case of a typo or error that makes a question unsolvable.

At the end of the course, it is **possible** that final letter grades may be adjusted to reflect the final distribution of the scores in the class. Such a curve would always be in your favour, else the standard 10-point interval for the raw score would apply. However, no one will know if such a curve is necessary, or what the curve would be, until all grades are in and all drops are made. Don't bother asking if there will be a curve, because even if I knew, I wouldn't tell you.

Grading disputes If you feel that a mistake was made in grading your homework, quizzes or exams or that these scores have been incorrectly recorded in Blackboard, bring it to my within 10 days of the due date of the homework/quiz/exam. Any complaints received later will not be considered. Be

aware that a re-grade means that your work will be graded from scratch, and it is entirely possible that you will receive a lower score than originally given, if I decide that the original grade was too high.

Policy on academic dishonesty: Don't cheat. If you have questions about what constitutes "cheating", or what will happen if you are caught, please review the Trojan Integrity Guide, the Undergraduate Guide for Avoiding Plagiarism, or the General USC Policies.

Policy on disabilities: Any student requesting academic 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 8:30am-5:00pm, Monday through Friday. Website and contact information for DSP:

http://sait.usc.edu/academicsupport/centerprograms/dsp/home_index.html
213-740-0776 (phone)
213-740-6948 (TDD only)
213-740-8216 (fax)
ability@usc.edu