

Math 125 - Calculus I (Fall 2019)

Class Times: Mon/Wed/Fri 1:00pm - 1:50pm

Location: Von KleinSmid Center (VKC), Room 100

Course Website: Available through Blackboard

Instructor: Jay Taylor

Office: KAP 470a

Phone: (213) 740-3764

Email: jayt@usc.edu

Personal Webpage: <http://dornsife.usc.edu/jay-taylor>

Office Hours: Students wishing to speak to the instructor should either come during office hours or arrange an appointment, preferably by email. The following office hours will be in effect from Monday August 25th until Friday December 6th. There will be no office hours on University recognised holidays.

- Wednesday 11:00am - 12:00pm in KAP 470a,
- Wednesday 4:00pm - 5:00pm in KAP 470a,
- Friday 10:00am - 11:00am in KAP 470a.

Teaching Assistant: Harrison Algra

Office: KAP 244

Phone: (213) 740-2458

Email: halgra@usc.edu

Discussion Sections: The TA will be in charged of running one of the following discussion sections to which you have been assigned:

- Tue/Thu at 8:00am - 8:50am in KAP 159,
- Tue/Thu at 9:00am - 9:50am in KAP 159.

Course Text: James Stewart, *Essential Calculus*, Second Edition, ISBN: 9781133112297.

Course Description: Limits, continuity, derivatives and applications, antiderivatives, integral of a function, the fundamental theorem of calculus, exponential and logarithmic functions.

Learning Objectives and Outcomes: By the end of the semester you will be familiar with the basic concepts and methods 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.

Prerequisite(s): Math 108 - Contemporary Precalculus.

Grading breakdown: Your performance in the course is assessed via a mixture of homework, quizzes, midterm exams, and a final exam, broken down as follows.

- **Homework** (worth 10%): Hand-written homework will be assigned every week, on Monday, and posted on Blackboard. Homework will be due at the beginning of class on the following Monday. For example,

- Homework 1 is made available on Mon Sep 2nd (through Blackboard) and is due at 1pm in class on Mon Sep 9th.

Late or electronically submitted homework will not be accepted. A selection of the homework problems will be graded with feedback. However all problems should be seriously attempted and your level of attempt will be part of the grading rubric. Your lowest homework grade will be dropped.

Your homework will be judged not only on the validity of the proposed solution but also on the quality of the exposition. Your solutions should be well thought out and communicated concisely, with appropriately chosen notation. It is permitted, and encouraged, to collaborate on homework assignments. **However** each student must write their solution on their own and in their own words. Identical, or highly similar solutions, will not be tolerated. This will be considered as plagiarism, a very serious offense to USC's Code of Conduct.

- **Quizzes** (worth 13%): There will be a weekly 20 min quiz during Tuesday's discussion every week of the semester, but midterm weeks. No make-ups under any circumstances. Your lowest quiz grade will be dropped.
- **Midterm Exams** (worth 21% each): Two in-class midterm exams are tentatively scheduled for:
 - Wednesday, October 2nd, from 1:00pm - 1:50pm, in VKC 100,
 - Wednesday, November 6th, from 1:00pm - 1:50pm, in VKC 100.
- **Final Exam** (worth 35%): The final exam has been scheduled by the University for:
 - Wednesday, December 11th from 2:00pm - 4:00pm.

Exam Rules: No cheat sheets, calculators, cell/smart phones, smart watches, or other electronic devices will be allowed during an exam. If there is a scheduling conflict for an exam, you must let me know at least 2 weeks before the examination. A scheduling conflict must involve an activity sponsored and approved by USC (marching band, athletic event, etc.). In particular, the university club or organization in question must send an official request, with the Dean's approval, to all faculty. Personal activities do not qualify.

Resources: The Math Center is located in KAP 263 and is open weekdays from 8:00am to 7:00pm (it closes earlier at 5:00pm on Fridays). For up-to-date information on the consulting hours, visit the [Math Center homepage](#). The purpose of the Math Center is to provide an environment where students can stop by to get help on their math classes. Math TAs at USC hold their office hours there. It is

best to attend office hours of TAs who are teaching Math 125 this term. However, you are welcome to stop by the Math Center at any time and seek help from any of the Instructors or TAs who are present at that time.

Accommodations: 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 detailing approved accommodations must be delivered to your Instructor as early in the semester as possible. DSP is located in STU 301 and is open 8:30am-5:00 pm, Monday through Friday. The phone number for the DSP office is (213) 740-0776.

Plagiarism: Presenting someone else's ideas as your own, either verbatim or recast in your own words, is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in SCampus in Part B, Section 11, "[Behavior Violating University Standards](#)" of SCampus. Other forms of academic dishonesty are equally unacceptable. See additional information in SCampus and university policies on [scientific misconduct](#).

Support Systems: If you are struggling at anytime during the semester then please feel free to reach out to me or to one of the following University wide services.

- [Student Health Counseling Services](#): on call 2/47 at (213) 740-7711. Free and confidential mental health treatment for students, including short-term psychotherapy, group counseling, stress fitness workshops, and crisis intervention.
- [National Suicide Prevention Lifeline](#): on call 2/47 at 1 (800) 273-8255. Free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week.
- [Relationship and Sexual Violence Prevention Services \(RSVP\)](#): on call 2/47 at (213) 740-4900. Free and confidential therapy services, workshops, and training for situations related to gender-based harm.
- [Office of Equity and Diversity \(OED\) | Title IX](#): call (213) 740-5086. Information about how to get help or help a survivor of harassment or discrimination, rights of protected classes, reporting options, and additional resources for students, faculty, staff, visitors, and applicants. The university prohibits discrimination or harassment based on the following protected characteristics: race, color, national origin, ancestry, religion, sex, gender, gender identity, gender expression, sexual orientation, age, physical disability, medical condition, mental disability, marital status, pregnancy, veteran status, genetic information, and any other characteristic which may be specified in applicable laws and governmental regulations.
- [Bias Assessment Response and Support](#): call (213) 740-2421. Avenue to report incidents of bias, hate crimes, and microaggressions for appropriate investigation and response.
- [The Office of Disability Services and Programs](#): call (213) 740-0776. Support and accommodations for students with disabilities. Services include assistance in providing readers, notetakers, interpreters, special accommodations for test taking needs, assistance with architectural barriers, assistive technology, and support for individual needs.

- [USC Support and Advocacy](#): call (213) 821-4710. Assists students and families in resolving complex personal, financial, and academic issues adversely affecting their success as a student.
- [Diversity at USC](#): call (213) 740-2101. Information on events, programs and training, the Provost's Diversity and Inclusion Council, Diversity Liaisons for each academic school, chronology, participation, and various resources for students.
- [USC Emergency](#): UPC - call (213) 740-4321. HSC - on call 24/7 at (323) 442-1000. Emergency assistance and avenue to report a crime. Latest updates regarding safety, including ways in which instruction will be continued if an officially declared emergency makes travel to campus infeasible.
- [USC Department of Public Safety](#): UPC - call (213) 740-6000. HSC - on call 24/7 at (323) 442-120. Non-emergency assistance or information.

Subject to Change: Information contained in the course syllabus may be subject to change with advance notice, as deemed appropriate by the instructor.