

Calculus I (Math 30), Fall 2004
MacQuarrie 323, MWF 12:30pm–1:20pm (Sec. 01, code 42812)

Instructor: Dr. Tim Hsu (pronounced “shoe”).

Office and phone: MacQuarrie 419, (408)924-5071.

Office hours: MWF 11:30–12:30, MW 1:30–2:30, or by appointment. For a current schedule, see: <http://www.math.sjsu.edu/~hsu/courses/generic/sched.pdf>

E-mail: hsu@math.sjsu.edu. I can be reached by e-mail at most times of the day, and will often answer within a few hours.

Course web page: <http://www.math.sjsu.edu/~hsu/courses/30/>

Text: *Calculus: Early Transcendentals*, James Stewart, 5th edition. Make sure you get the “Early Transcendentals” book, as Stewart has written several calculus textbooks, and make sure you get the 5th edition (black cover with a greenish picture of a violin on it), especially if you do not buy the book through the University bookstore.

Calculator: You will need a graphing calculator for this class. I can provide support for any TI calculator; if you have another kind of calculator, let me know, and we’ll work something out. One important warning: You are *not* allowed to use the TI-89 or the TI-92 on exams. (On the other hand, the TI-82, 83, 85, 86, etc., are fine on exams.)

Class. Bring your textbook and calculator to class every day. Class will consist of a mixture of lecture, group activities, and question-and-answer sessions. Please turn off all cellphones and beepers before you get to class.

Reading. In general, you should do the assigned reading before anything else, i.e., before the topics come up in class or in the homework. Read *all* of the text, and not just “the stuff in the red boxes.” Throughout the semester, I’ll always assume that you’ve done all of the reading. In particular, not every topic you have to know will be covered in class. The course web page will always have a complete list of all reading assigned to date.

Homework. Homework will be due every day, except for exam days. Between 4 and 10 questions (depending on the nature of the homework) will be assigned each time. **Homework will be graded**, on the following basis: A few questions will be graded in detail, and the rest will be checked off in a more cursory manner. For more details on the style in which homework is to be written and the rules for doing homework in teams, see the handout on homework.

Specific homework assignments will be determined as the term progresses. For a complete list of all homework assigned to date, see the course web page.

Quizzes. Roughly once a week, except for exam weeks, we will have an in-class quiz. Quizzes are closed-book, no notes allowed, but calculators (though not the TI-89 and 92) are fine. Our first quiz will be on **Wed Sep 01**.

Exams. The exam dates are described in the syllabus below. *You must plan to take the exams at their scheduled times.* In particular, previous travel arrangements are not a valid excuse, so do *not* leave campus before the final on **Tue Dec 14 at 12:15pm** (e.g., don’t buy a plane ticket that leaves town on Dec 13).

Exam policies. All exams will be closed-book. Calculators are allowed (though not the TI-89 and 92), and you are also allowed to bring one 3×5 card of notes. Exams are primarily based on the reading and the homework, so the best way to prepare for exams is to do all of the reading and the homework.

How to add this course. If you are not registered for this section, and you would like to add it, you must first do all of the work in the course, and do well on it. Remember: your best strategy for getting into a class is to pick the section you want and stick with it, so make sure you are fully qualified for whatever section you choose.

As for the mechanics of adding the class, you need to begin the process by going to the Math office (3rd floor MacQuarrie Hall) and filling out a calculus course request form, which

will put you on the waitlist for this course. Starting on **Mon Sep 13**, I will ask the Math office to register everyone on the waitlist who has kept up with all of the assignments in the course. If all goes well, you should be added within a few days; check your schedule using Touch-SJSU or <https://my.sjsu.edu>.

For complete information on calculus registration and which class you should take, please see <http://www.math.sjsu.edu/~cayco/calculus/calculus.html>.

How to drop this course. Until **Tue Sep 14**, you can drop by Touch-SJSU or <https://my.sjsu.edu>, and nothing will appear on your transcript. However, please tell me if you drop, so someone else can add the course.

To drop after Tue Sep 14, you must go to the student services center and submit a Course Drop form to the Director of Academic Services. Dropping under these circumstances is only allowed for “serious and compelling reasons” (course catalog). A low grade is not a serious and compelling reason.

Grading. Your final course grade consists of:

Homework:	10%
Quizzes:	5%
Exam 1:	15%
Exams 2 & 3:	20% each
Final exam:	30%

Syllabus

Date	Reading	Date	Reading
Wed Aug 25 Fri Aug 27	1.1–1.3 1.5–1.6	Mon Oct 18 Wed Oct 20 Fri Oct 22	Review Exam 2 3.6
Mon Aug 30 Wed Sep 01 Fri Sep 03	2.1 2.2 2.2–2.3	Mon Oct 25 Wed Oct 27 Fri Oct 29	3.7 3.8 3.9
Mon Sep 06 Wed Sep 08 Fri Sep 10	Labor day 2.3–2.4 2.4	Mon Nov 01 Wed Nov 03 Fri Nov 05	3.10 3.11 4.1
Mon Sep 13 Wed Sep 15 Fri Sep 17	2.5 2.5–2.6 2.6–2.7	Mon Nov 08 Wed Nov 10 Fri Nov 12	4.1, 4.3 4.3 4.4
Mon Sep 20 Wed Sep 22 Fri Sep 24	Exam 1 2.7 2.8	Mon Nov 15 Wed Nov 17 Fri Nov 19	4.5 Review Exam 3
Mon Sep 27 Wed Sep 29 Fri Oct 01	2.8–2.9 2.9 3.1	Mon Nov 22 Wed Nov 24 Fri Nov 26	4.2 4.9 Thanksgiving
Mon Oct 04 Wed Oct 06 Fri Oct 08	3.1–3.2 3.2–3.3 3.3	Mon Nov 29 Wed Dec 01 Fri Dec 03	4.7 4.7 4.10
Mon Oct 11 Wed Oct 13 Fri Oct 15	3.4 3.5 3.5	Mon Dec 06 Wed Dec 08 Tue Dec 14	What’s next Review Final exam, 12:15pm–2:30pm

Tutoring. Peer tutoring in calculus is available to all SJSU students, free of charge, at the Learning Assistance Resource Center, in Room 600 of the Student Services Center. See <http://www.sjsu.edu/larc> or call x4-2587 for more information.