Calculus II (Math 31), Spring 2010, San José State University
MacQuarrie 424, MWTh noon–1:10pm (Sec. 04, code 20821)

Instructor: Dr. Tim Hsu (pronounced "shoe") and other staff.

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

Office hours: MWTh 10:30–11:45am, or by appointment. Current schedule:
   `http://www.math.sjsu.edu/~hsu/courses/generic/sched.pdf`

E-mail: `hsu@math.sjsu.edu` or `hsu.math.sjsu@gmail.com`. 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/31/`

Texts: *Calculus: Early Transcendentals*, James Stewart, 6th ed. (Make sure you get the "Early Transcendentals" book, 6th ed., blue/black cover with a tan 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.)

   Goals of the course. In Calculus I, you learned how the derivative makes the idea of a rate of change mathematically precise. In Calculus II, we'll learn what integration is, why it is the "opposite" of differentiation (the Fundamental Theorem of Calculus), how to apply it, and how to compute integrals. We'll also learn about sequences and series, as well as complex numbers.

   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 class day, except for exam days; for more details, see the handout on homework. Specific 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 **Thu Jan 28**.

   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 May 25** at **9:45am**.

   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.

   Gateway quiz. During the term, you will be required to pass a computational "gateway" quiz. Details will be explained later.

   Grading. Your final course grade consists of: Homework 10%, Quizzes 5%, Exam 1 15%, Exams 2 and 3 20% each, and Final exam 30%.

   How to add this course. If you are not registered for this course, and you would like to add it, you must first put a full effort into completing all of the work in the course. Second, if you are a graduating senior, you need to produce documentation to verify that.

I'll make a waiting list, which you get on by filling out and turning in the information form for the course. I'll give out add codes starting **Fri Feb 05**, mainly based on completeness of homework, and as long as there is room, I will continue to give out add codes until add date (**Fri Feb 12**). Note, however, that graduating seniors have the highest priority, and that Open University students have the lowest priority.

How to drop this course. Until **Fri Feb 05**, you can drop at `my.sjsu.edu`. Nothing will appear on your transcript, but please let me know if you drop.

To drop after Fri Feb 05, 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.

Academic integrity. Your commitment to learning (as shown by your enrollment at SJSU) and SJSU's Academic Integrity Policy require you to be honest in all of your academic course work. Faculty are required to report all infractions to the Office of Student Conduct and Ethical Development. See: `http://sa.sjsu.edu/student_conduct`

Disabilities. If you need course adaptations or accommodations due to a disability, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities register with the Disability Resources Center to establish a record of their disability.

Tentative syllabus

Date	Reading		Date	Reading
Wed Jan 27	Review, 5.1		Mon Mar 29–	**SPRING BREAK**
Thu Jan 28	5.1–5.2		Fri Apr 02	**NO CLASSES**
Mon Feb 01	5.2–5.3		Mon Apr 05	11.1
Wed Feb 03	5.3–5.4		Wed Apr 07	11.1–11.2
Thu Feb 04	5.4		Thu Apr 08	11.2
Mon Feb 08	5.5		Mon Apr 12	11.2–11.3
Wed Feb 10	5.5		Wed Apr 14	11.3–11.4
Thu Feb 11	6.1–6.2		Thu Apr 15	11.4
Mon Feb 15	**FURLOUGH DAY**		Mon Apr 19	11.4–11.5
Wed Feb 17	6.2		Wed Apr 21	Review
Thu Feb 18	**Exam 1**		Thu Apr 22	**Exam 3**
Mon Feb 22	6.3		Mon Apr 26	11.6
Wed Feb 24	6.4		Wed Apr 28	11.6–11.7
Thu Feb 25	6.4		Thu Apr 29	11.8
Mon Mar 01	7.1		Mon May 03	11.8–11.9
Wed Mar 03	7.1, review		Wed May 05	11.9
Thu Mar 04	7.2		Thu May 06	**FURLOUGH DAY**
Mon Mar 08	7.2, 7.4		Mon May 10	11.9–11.10
Wed Mar 10	7.4		Wed May 12	11.10
Thu Mar 11	7.7		Thu May 13	11.10, App. H
Mon Mar 15	7.7		Mon May 17	App. H
Wed Mar 17	7.8			
Thu Mar 18	**Exam 2**			
Mon Mar 22	7.8		**Tue May 25**	**Final exam,**
Wed Mar 24	8.3			**9:45am–noon**
Thu Mar 25	8.3			

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.