

**Precalculus (Math 19), Fall 2009, San José State University
Sweeney Hall 345, MWF 10:30–11:50am (Sec. 12, code 48467)**

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

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

Office hours: MWF 9:30–10:30am, MW 1:30–2:30pm, 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/19/>

Texts: *Precalculus*, Sullivan, Redlin, and Watson, 5th ed.

Calculator: You are allowed to use a graphing calculator on quizzes and exams. Exception: You are *not* allowed to use the TI-89, the TI-92, or other calculators that can do symbolic algebra, on exams. (Other TI calculators are fine.)

Learning objectives. In this course, you will master the algebra skills required for later math classes; understand and apply fundamental ideas about functions; study specific types of functions; and learn some analytic geometry. Also, as with any GE math course, you will use mathematical methods to solve quantitative problems, including real-life problems, and arrive at conclusions based on numerical and graphical data.

You will achieve these learning objectives, as well as the minimum writing requirement of 500 words, in homework, quizzes, and exams.

Math 19W Workshops. Math 19W is a 1 unit class (2 hours/week) in which you will work in teams on precalculus problems, aided by workshop facilitators. You are required to take Math 19W unless you have scored at least 23/32 on the Math Placement Exam or you have received at least a B in Math 8. Math 19W is graded CR/NC, based on attendance.

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 blue and purple boxes.”

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. Once a week, except exam weeks, we will have a closed-book in-class quiz (no notes, calculators OK). Our first quiz will be the double-length **gateway quiz**, on **Fri Aug 28**; see the gateway handout for details.

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 **Fri Dec 11** at **9:45am**.

Exam policies. All exams will be closed-book. Calculators are allowed (though not the TI-89, TI-92, and similar calculators), 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.

Grading. Semester grade is: Homework 10%, Quizzes 5%, Exam 1 12%, Exams 2, 3, and 4 15% each, and Final exam 28%. Grades given: A, A-, B+, B, B-, C+, C, NC.

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 **Thu Sep 03**, 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 Sep 11**). Note, however, that graduating seniors have the highest priority, and that Open University students have the lowest priority.

How to drop this course. Until **Thu Sep 03**, you can drop at my.sjsu.edu. Nothing will appear on your transcript, but please let me know if you drop.

To drop after Thu Sep 03, 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
Mon Aug 24	1.5–1.6	Mon Oct 19	FURLOUGH DAY
Wed Aug 26	1.7–1.8	Wed Oct 21	Review
Fri Aug 28	1.10–1.11	Fri Oct 23	5.1
Mon Aug 30	2.1–2.2	Mon Oct 26	Exam 3
Wed Sep 02	2.2–2.3	Wed Oct 28	5.2
Fri Sep 04	2.4	Fri Oct 30	5.2–5.3
Mon Sep 07	Labor Day	Mon Nov 02	5.3
Wed Sep 09	2.5	Wed Nov 04	5.4
Fri Sep 11	Exam 1	Fri Nov 06	5.5
Mon Sep 14	2.7	Mon Nov 09	7.1
Wed Sep 16	2.8	Wed Nov 11	Veterans Day
Fri Sep 18	3.1	Fri Nov 13	FURLOUGH DAY
Mon Sep 21	3.1	Mon Nov 16	7.2–7.3
Wed Sep 23	3.2–3.3	Wed Nov 18	7.3–7.4
Fri Sep 25	FURLOUGH DAY	Fri Nov 20	Exam 4
Mon Sep 28	3.4–3.5	Mon Nov 23	6.1–6.2
Wed Sep 30	3.6	Wed Nov 25	6.3–6.4
Fri Oct 02	3.6	Fri Nov 27	Thanksgiving
Mon Oct 05	Exam 2	Mon Nov 30	6.4–6.5
Wed Oct 07	4.1	Wed Dec 02	10.1–10.2
Fri Oct 09	4.2	Fri Dec 04	10.2–10.3
Mon Oct 12	4.3	Mon Dec 07	10.3–10.4
Wed Oct 14	4.4	Fri Dec 11	Final, 9:45am
Fri Oct 16	4.5		

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.