

**Precalculus (Math 19), Spring 2013, San José State University  
Duncan Hall 243, MWF noon–1:25pm (Sec. 04, code 20513)**

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

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

**Office hours:** MWF 9:30-10:30, WF 1:30-2:30. Current schedule available at:  
<http://www.math.sjsu.edu/~hsu/courses/generic/sched.pdf>

**E-mail:** [hsu@math.sjsu.edu](mailto:hsu@math.sjsu.edu). I can be reached by e-mail at many times of the day, and will try to respond within 24 hours.

**Course web page:** <http://www.math.sjsu.edu/~hsu/courses/19/>

**Texts:** *Precalculus*, Stewart, Redlin, and Watson, **6th edition**.

**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, in which case, you may opt out of 19W at the Math Office (MacQuarrie Hall 308). Math 19W is graded CR/NC, based on attendance.

**Class.** Bring your textbook and calculator to class every day. Class will consist of lecture, group activities, and discussion. Please silence all cellphones before class.

**Reading.** 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 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 Jan 25**; 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 **??? May ??** 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  $3 \times 5$  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 **Mon Feb 04** (or possibly earlier),

mainly based on completeness of homework, and as long as there is room, I will continue to give out add codes until add date (**Mon Feb 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 **Mon Feb 04**, you can drop at my .sjsu.edu. Nothing will appear on your transcript, but please let me know if you drop.

To drop after Mon Feb 04, 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://www.sjsu.edu/studentconduct>

**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.

### Syllabus

Date	Reading	Date	Reading
Wed Jan 23	1.5–1.6	Mon Mar 25	<b>SPRING</b>
Fri Jan 25	1.7	Wed Mar 27	<b>BREAK</b>
Mon Jan 28	1.8, 1.10	Fri Mar 29	<b>NO</b>
Wed Jan 30	1.10–1.11	Mon Apr 01	<b>CLASSES</b>
Fri Feb 01	2.1–2.2	Wed Apr 03	5.2–5.3
Mon Feb 04	2.3–2.4	Fri Apr 05	5.3
Wed Feb 06	2.5	Mon Apr 08	<b>Exam 3</b>
Fri Feb 08	2.6	Wed Apr 10	5.4
Mon Feb 11	<b>Exam 1</b>	Fri Apr 12	5.5
Wed Feb 13	2.7	Mon Apr 15	5.6
Fri Feb 15	3.1	Wed Apr 17	7.1
Mon Feb 18	3.2	Fri Apr 19	7.2
Wed Feb 20	3.2	Mon Apr 22	7.3
Fri Feb 22	3.3	Wed Apr 24	6.1–6.2
Mon Feb 25	3.4	Fri Apr 26	6.3
Wed Feb 27	3.5–3.6	Mon Apr 29	6.4
Fri Mar 01	3.7	Wed May 01	<b>Exam 4</b>
Mon Mar 04	3.7	Fri May 03	6.5
Wed Mar 06	<b>Exam 2</b>	Mon May 06	6.6
Fri Mar 08	4.1–4.2	Wed May 08	11.1–11.2
Mon Mar 11	4.3	Fri May 10	11.3
Wed Mar 13	4.4	Mon May 13	11.4
Fri Mar 15	4.5		
Mon Mar 18	4.6	??? May ??	<b>Final, 9:45am</b>
Wed Mar 20	5.1		
Fri Mar 22	5.2		

**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.