

Department of Mathematics  
University of California  
Riverside, CA 92521

## First Year Calculus - Math 9B – Section 1

### Winter Quarter 2009

**Instructor: Aviv Censor**

*Office:* 232 Surge

*Office Hours:* Tuesday 2:10-3:15 pm, Wednesday 9:15-10:30 am

*Phone:* 827-7383

*Email:* [avivc@math.ucr.edu](mailto:avivc@math.ucr.edu)

**Lectures:** Tuesday 12:40-2:00 pm, Thursday 12:40-2:00 pm, HMNSS 1501

**Discussions:**

Section 2: Friday 3:10-4:00 pm, Spieth 1307

Section 4: Friday 8:10-9:00 pm, Sproul 2356

**Richard Han**

*Office:* Pierce 2423

*Office Hours:* Wednesday 2:00-4:00 pm, Friday 10:00am-12:00pm

*Email:* [rickyhan@math.ucr.edu](mailto:rickyhan@math.ucr.edu)

Section 3: Friday 7:10-8:00 am, Sproul 2356

Section 5: Friday 12:10-1:00 pm, Sproul 2365

**Elisabeth Giem**

*Office:* Pierce 2423

*Office Hours:* Monday 7:00-9:00 am, Wednesday 7:00-9:00 am

*Email:* [giem@math.ucr.edu](mailto:giem@math.ucr.edu)

**Textbook:** James Stewart, Single Variable Calculus, 6th edition

**Midterm 1 (20%):** February 3, 2009, during the lecture

**Midterm 2 (20%):** February 24, 2009, during the lecture

**Final Exam (40%):** March 17, 2009, 8:00-11:00 am

**Syllabus:** This is the second of the first year Calculus courses, in which we focus on integral calculus. We will cover the following main topics:

- Definite Integrals
- Indefinite Integrals
- The Fundamental Theorem of Calculus
- Techniques of Integration
- Applications of Integration
- Inverse Functions
- L'Hopital's Rule
- Improper Integrals

**Homework:** will be assigned each week on *webassign* (<http://www.webassign.net>) and will count for **10%** of the final grade.

**Quizzes:** There will be a number of short quizzes, which will count for **10%** of the final grade. Quizzes will usually be given at the very beginning of class. You will not be able to take a quiz if you are late to class that day, and there will be no make-up quizzes.

**Grades:** You will receive a grade for each of the midterms and the final exam. A grade of C- means that you have understood enough of the material to continue the course, or continue on to the next course. It does not correspond to 70% or any other predetermined percentage. Note: the final exam will comprehensively cover the material of the entire course. An “F” for the final exam automatically gives you an “F” for the course. Grades, as well as other course materials, will be available on iLearn (<http://www.ilearn.ucr.edu>).

If you cannot come to the midterm or to the final exam, you have to make arrangements within the first two weeks of the course. We will only accept a very few reasons for not attending one of the exams. Those reasons are limited to: religious reasons, interviews for scholarships, and participation in intercollegiate sports.

Cheating will be taken very seriously. Every attempt to cheat will give you an automatic “F” for the course. You will not be allowed to drop the course, and your case will be forwarded to the student contact committee.

### **Course Attitude:**

Calculus is like swimming or bicycle riding. You can't learn by watching someone else, even if that someone is *Michael Phelps* or *Lance Armstrong*, and even if you (think you) understand everything they are doing. You must jump into that pool or get on that bike by yourself. You need to practice a lot.

You are here to learn Calculus. This is a challenging course and the pace is fast. So (take a deep breath): Come to **all** classes. Participate. Do homework. Ask questions. Take advantage of office hours. Work hard.

We want you to succeed. Furthermore, we are nice people :) and we will do our best to help you succeed. And (believe it or not), just like swimming or biking, math can be fun!

### **Course Policies:**

- You are expected to attend all lectures and discussions in which you are enrolled.
- All Exams and Quizzes are with closed books and notes. You may **not** use any calculators, cell-phones, i-pods or any other electronic devices.
- Grades should be earned honestly. See above.

Remark: If you have a disability and the University has determined that you require special accommodations, please provide appropriate documentation by January 9, 2009 so that we may plan for you accordingly.