

Department of Mathematics  
University of California  
Riverside, CA 92521

## Pre-Calculus - Math 5 – Section 30

### Fall Quarter 2009

**Instructor: Aviv Censor**

*Office:* 232 Surge

*Office Hours:* TR 3:30-5:00 pm

*Phone:* 827-7383

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

**Primary Lectures:** TR 8:10-9:30 am, OLMH 1208

**Additional Lectures:**

Section 31: WF 8:10-9:00 am, INTS 1125 - *Daisy Lam*

*Office Hours:* M 10:00-11:00 am, TR 10:00-11:30 am, Pierce 2423

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

Section 32: WF 5:10-6:00 pm, INTN 1006 – *Qiao Liang*

*Office Hours:* T 12:30-2:30 pm, R 9:30-10:30 am, Pierce 2438

*Email:* [qiao.liang@ucr.edu](mailto:qiao.liang@ucr.edu)

Section 33: WF 7:10-8:00 pm, INTS 2130 - *Edward Burkard*

*Office Hours:* WF 6:00-7:00 pm, Surge 266

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

Section 34: WF 8:10-9:00 pm, INTS 1125 - *John Quinn*

*Office Hours:* W 7:00-8:00 pm R 6:00-7:00 pm, Surge 283

*Email:* [johnquinn@email.ucr.edu](mailto:johnquinn@email.ucr.edu)

**Textbook:** Mark Dugopolski, *College Algebra and Trigonometry*, 4th edition

**Syllabus:** We will cover the following main topics:

- Equations and Inequalities
- Functions and Graphs
- Polynomial and Rational Functions
- Exponential and Logarithmic Functions
- Trigonometric Functions and Identities
- Systems of Equations and Inequalities
- Conic Sections
- Sequences and Series

**Midterm 1 (20%):** October 22, 2009 (during the lecture)

**Midterm 2 (20%):** November 17, 2009 (during the lecture)

**Final Exam (40%):** December 10, 2009, 3:00-6:00 pm

**Homework:** will be assigned each week on **MathXL** (<http://www.mathxl.com>) and will count for **5%** of the final grade.

**Problem of the day:** These will be given during discussions, and count for **5%** of the final grade.

**Quizzes:** There will be a number of short quizzes, which will count for **10%** of the final grade. There will be no make-up quizzes.

**Grades:** You will receive grades for 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 midterms 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 conduct committee.

### **Course Attitude:**

Math 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.

This Pre-Calculus course is designed to prepare you, in just 10 weeks, for University 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 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 October 8, 2009 so that we may plan for you accordingly.