

## MATH 8B-030: Introduction to College Mathematics for the Sciences

### GENERAL INFORMATION:

Lecture (16067): TR 6:40 PM - 8:00 PM  
Room: ENGR2 138  
Instructor: Muralee (Dr. M. Muraleetharan)  
Office: 225 Surge Building  
Phone: (951) 827-6482  
E-mail: muralee@math.ucr.edu  
Office hours: TR 3:00 PM- 4:30 PM, and by appointment

### Teaching Assistants:

Payne, Jason:  
Discussion (8B032): MF 6:10 PM - 7:00 PM. Room: SURGE 173  
Herzog, Barbara:  
Discussion (8B033): MF 3:10 PM - 4:00 PM. Room: SPR 2360

**Textbook:** James Stewart, Single Variable Calculus, 6th edition and Mark Dugopolski, College Algebra and Trigonometry, 4th edition - Supplement.

### EXAMS AND GRADING:

Midterm 1: October 20, 2009, during the lecture.  
Midterm 2: November 10, 2009, during the lecture.  
Final Exam: December 5, 2009, 3:00 PM - 6:00 PM.

Homework will be assigned for each topic covered from the WebAssign at the end of each week. Homework will count for 10% of the final grade.

There will be a number of pop-quizzes in the discussion sections. The scores for the discussion quizzes will also count for 10% of the final grade.

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. It does not mean that you reached 70% or any other predetermined percentage.

The two midterms will each give 20% of your final grade, and the final exam will account for the remaining 40%. There is one exception to this rule: An "F" for the final exam automatically gives you an "F" for the course.

If you cannot come to any of the 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.

The final exam is comprehensive. All exams are closed notes and books. Calculators are not allowed.

**COURSE OUTLINE:**

Prerequisites: MATH 008A with a grade of “C-” or better OR a sufficiently high score on the Mathematical Advisory Examination, as determined by the Mathematics Department. If you are unsure whether your background is adequate for this course, please make an appointment to discuss this with me immediately.

The course involves further study of trigonometry and analytical geometry (chapters 5 and 6 from Dugopolski’s book) and introduction to the differential calculus of functions of one variable (chapters 1, 2, 3, & 4 from Stewart’s book).

**CLASS MEETINGS and ATTENDANCE:** Classes will meet four times each week. Lectures will be given on Tuesday and Thursday. Each section will meet for two additional lectures on Monday and Friday. **Attendance is required.**