

MATH 8B-040: Introduction to College Mathematics for the Sciences

GENERAL INFORMATION:

Lecture (15993): MWF 4:10 PM - 5:00 PM
Room: PHY 2000
Instructor: Muralee (Dr. M. Muraleetharan)
Office: 225 Surge Building
Phone: (951) 827-6482
E-mail: muralee@math.ucr.edu
Office hours: W 3:10 - 4:00 PM, and by appointment

Teaching Assistants:

BENNETT, JACK:

Discussion (8B041): TR 9:40 AM - 10:30 AM. Room: SURGE 172

THISTLETHWAITE, OLIVER:

Discussion (8B042): TR 11:10 AM - 12:00 PM. Room: INTS 1132

MAJCHEREK, DANIEL:

Discussion (8B043): TR 12:40 PM - 1:30 PM. Room: SURGE 172

WARSINSKI, JEFFREY:

Discussion (8B044): TR 2:10 PM - 3:00 PM. Room: HMNSS 1403

Textbook: James Stewart, Single Variable Calculus, 6th edition and Ratti & McWaters, Precalculus, a unit circle approach - Supplement.

EXAMS AND GRADING:

Midterm 1: Friday, 01/28/11, during the lecture.

Midterm 2: Friday, 02/18/11, during the lecture.

Final Exam: Friday, 03/18/11, 07:00PM - 10:00PM.

Homework will be assigned for each topic covered 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%.

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 Mathematics Advisory Examination, as determined by the Mathematics Department. Credit is awarded for only one of MATH 008B, MATH 009A, or MATH 09HA. 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 4, 5 and section 6.1 from Ratti & McWaters) 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 five times each week. Lectures will be given on Monday, Wednesday, and Friday. Each section will meet for two additional lectures on Tuesday and Thursday. **Attendance is required.**