Spring 2010
COURSE SYLLABUS - MATH 3C
TR 14:00 – 15:15, Buchanan 1910

PROFESSOR
Thomas Sideris, South Hall 6506
Office Hours: Monday 13:15-14:45
Email: sideris@math.ucsb.edu
Course Webpage: http://www.math.ucsb.edu/~sideris/Math3C-S10

PREREQUISITES
A grade of C or higher in Math 3B.

TEXT

TEACHING
Michael (Hutch) Brock SH 6432X hutchbrock@math.ucsb.edu
Boyan Jonov SH 6431R boyan@math.ucsb.edu
Shawn Wirts SH 6432D shawnwirts@math.ucsb.edu

The teaching assistants will announce office hours in the first meeting of the discussion section. Please make a note of them. Two of their hours will be held in the Math Lab, SH 1607, and the third hour will be held in their office. The Math Lab is open M-F 12-5.

Your primary mode of contact for all matters related to this course is by email with your TA, using the appropriate address above. If you send feedback via webworks, please be sure to identify the name of your TA in the message. If there is an urgent matter, then you should contact me by email. Your message must contain your name and the name of your TA. Your communications with me and with the TAs are expected to be civil and respectful.

GRADING
Homework 15%
Quizzes 10%
Midterm 25%
Final Exam 50%

EXAMS
Midterm Thursday, April 29 (tentative)
Final Exam Tuesday, June 8, 16:00 - 19:00

The use of calculators will not be permitted during exams. By enrolling in this class, you acknowledge that you have no conflict with the final exam schedule.

HOMEWORK
Homework will be posted frequently on the WebWork online system and announced on the course webpage. WebWork problems will be used to compute your homework grade. Additional homework problems will assigned from the textbook. Although these problems will not be graded, their completion is essential for your mastery of the subject matter.

WebWork: http://homework.math.ucsb.edu/webwork2/Math3C-01-S10-Sideris

Your PERM number serves as your login ID and password. You may change your password after logging in. It is your responsibility to check for assignments and complete them before the due date. The lowest 2 homework scores will be dropped.

QUIZZES
Short quizzes will be given weekly in your discussion section. The lowest 2 quiz scores will be dropped. There will be no make up quizzes.
DISCUSSION
I urge you to attend your section, ask questions, and enter into discussion of the homework problems as well as the material covered in lecture.

COURSE
This course serves as an introduction to ordinary differential equations (ODEs) and linear algebra. These are the major objectives:

OBJECTIVES
Understand concept of linearity, distinguish between linear and nonlinear systems of ordinary differential equations, understand the superposition principle for linear systems of ODEs and linear systems of equations know how to implement it, integrating factors and variation of parameters, the phase plane, the objects of linear algebra (scalars, vectors, matrices), the concept of a vector space.