Lab Syllabus for Calculus II (MATH 142), Spring 2011

Department of Mathematics

University of South Carolina

Lab Overview

The weekly lab meetings are an integral part of Calculus II (Math 142). These labs are designed with (at least) two purposes:

- to provide hands-on activities that will further your understanding of calculus.

- to provide an introduction to and instruction in the use of modern computer software (Maple).

Lab Materials

Calculus Text: Stewart, James, *Calculus, Early Transcendentals,* 6th Edition.
Maple Reference book: Yasskin, Phillip B (and others), *Calculus, Early Transcendentals,* 4th Edition
All lab materials can be downloaded from the WWW. The lab homepage is

http://www.math.sc.edu/calclab/142L-S11/

The schedule/assignments will be updated weekly. The Maplets for Calculus link points to a comprehensive list of maplets for use in calculus courses. (You are encouraged to add one or more of these URLs to your list of Favorites.)

Note: Please print a copy of the current lab before class each week.

Access to Maple 13

We will use the computer labs in MS network maintained by the Department of Mathematics. Each student may print up to 100 pages free of charge per semester. (The network will not accept the Carolina Card, so you will have to print elsewhere if you exceed your quota.) Computers in LC 102, 124, 303A, and 401 are part of the MS network. Maple 13 should also be available on computers in other academic computing labs, in the open labs in the residence halls, and in the main library. If you would like to have Maple 13 installed on other University owned or leased computers, please discuss this with your TA. You may have to pay for pages printed from computers that are not in the MS network. The MS labs are open M-F from 8:00am to 5:00pm. After-hours/weekend access to LC 303A is available (ask your TA for details).

Students in this course may download a full copy of Maple 14 for $40 or receive the software on a CD for $70**.** All purchases under this special plan must be made online at http://webstore.maplesoft.com/ using the promotion code UOSC-0909. (Note: This is not the same version as you will be using in lab, but everything learned in lab should be compatible with the newer version.)

Grading

Your lab grade will be based on one lab project, two (2) hour quizzes, weekly assignments, and your attendance.

Hour Quizzes	30 points
Weekly Assignments	40 points
Project	20 points
Attendance	10 points
Total	100 points

Each lab missed (after the first absence) will lower your attendance grade by two (2) points.

Attendance Policy

Attendance at every class meeting is important – and expected. Students missing more than 10% of the class meetings (2 labs) can have their overall lab grade lowered. *Do not forget to sign the attendance form each week!*

Academic Honesty

Cheating and plagiarism will not be tolerated in the labs. You may discuss lab assignments with others, but do not copy work from another student, from a book, or from the Internet. Violations of this policy will be dealt with according to University guidelines. You can find the University Honor Code at http://www.sc.edu/academicintegrity/