Lab Syllabus for Calculus I (MATH 141), Spring 2014

Department of Mathematics, University of South Carolina

Lab Overview

The weekly lab meetings are an integral part of Calculus I (Math 141). 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 other lab materials can be downloaded from the WWW. The lab homepage is

http://www.math.sc.edu/calclab/141L-S14/

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.)

Access to Maple 17

We will use the computer labs in MS network maintained by the Department of Mathematics and all of the computers in LC 102, 124, 303A, and 401 are part of the MS network. Each student may print up to 150 pages free of charge per semester. However, the network will not accept Carolina Card, so you have to print elsewhere if you exceed your quota of 150 pages. Maple 17 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 17 installed on other University owned or leased computers, please discuss this with your TA. For work outside of the weekly lab session, feel free to use the ones that are most convenient for you. However, you may have to pay for printings when using computers in other networks. The MS labs are open M-F from 8:00 to 5:00. After-hour/weekend access to LC 303A is available (ask your TA for details).

Students in this course may download a full copy of Maple 17 of $45 or receive the software on a CD for $75**.** All purchases under this special plan must be made online at http://webstore.maplesoft.com/ with the promotion code ED-UOSC1314-6Y1.

Grading

Your lab grade will be based a lab project, two hour quizzes, weekly assignments, and your attendance. It will count about 15% of your overall Math-141 grade.

Hour Quizzes	30 points
Weekly Assignments	38 points
Project	20 points
Attendance	12 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 a link to the University Honor Code at http://www.sc.edu/academicintegrity/