

# Lab Syllabus for Calculus II (MATH 142), Spring 2009

## 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**

All lab materials can be downloaded from the lab homepage:

<http://www.math.sc.edu/calclab/142L-S09/>

The schedule/assignments will be updated weekly. The Maplets for Calculus link points to a comprehensive list of maplets for use in calculus courses.

### **Access to Maple 12**

We will use the computer labs in MS network maintained by the Department of Mathematics and each student may print up to 150 pages free of charge per semester. All of the computers in LC 102, 124, 303A, and 401 are part of the MS network. Maple 12 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 12 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 12 of \$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 UOSC245.

### **Grading**

Your lab grade will be based on two (2) lab projects, two (2) hour quizzes, weekly assignments, and your attendance. It will count about 15% of your overall Math-142 grade.

Hour Quizzes	28 points
Weekly Assignments	30 points
Projects	30 points
<u>Attendance</u>	<u>12 points</u>
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/>