

# Lab Syllabus for Calculus I (MATH 141), Fall 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*, 6<sup>th</sup> Edition.

Optional Reference Book: Yasskin, Phillip B (and others), *Calculus, Early Transcendentals*, 4<sup>th</sup> Edition

All lab materials can be downloaded from the WWW. The lab homepage is

<http://people.math.sc.edu/calclab/141L-F14/>

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 18

Maple 18 is available on all computers within LeConte. Computer labs are located in LC 102, 124, 303A, and 401. Maple 18 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 18 installed on other University owned or leased computers, please discuss this with your TA. The computer labs in LeConte are open M-F from 8:30am to 4:45pm. 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 18 for \$45 or receive the software on a CD for \$75. All purchases can be made online at <http://webstore.maplesoft.com/>. You will need to use the purchase code ED-UOSC1415-HF8.

### Printing

Undergraduates in lab sections will receive "\$7.50" (the dollar equivalent of 150 pages) in "free quota" for printing at the beginning of the semester. This amount is strictly for use within the LeConte Lab Printing System, and cannot be exchanged, traded, or used for non-printing services or goods. Printing will charge this "free" quota \$0.05 per page. You can check your current balance by clicking the \$ icon at the bottom right corner of the screen. If a user does not have free quota left available, the print job will be charged to their Carolina card balance. If a user does not have a positive Carolina Card balance, the job will be cancelled. If a student has paid their lab fees and finds that their free quota balance is not at the appropriate levels at the beginning of the semester, they can email [Help@math.sc.edu](mailto:Help@math.sc.edu) for assistance. If something charged incorrectly, a refund page has been set up at <http://carolinacard.sc.edu/printingprob.asp>. Please be sure to select "Mathematics Print Lab" from "Location of Print Lab".

### Grading

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

Hour Quizzes	30 points
Weekly Assignments	38 points
Project	20 points
<u>Attendance</u>	<u>12 points</u>
Total	100 points

### Attendance Policy

Attendance at every class meeting is important – and expected. Each lab missed (after the first absence) will lower your attendance grade by two (2) points. *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/>