

Lab Syllabus for Calculus I (MATH 141), Fall 2018

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

Lab Materials

Calculus Text: Thomas' *Calculus, Early Transcendentals*, 13th Edition or Custom Edition for USC, by [George B. Thomas and Maurice D. Weir](#). All lab materials can be downloaded from the WWW. The lab homepage is

<http://people.math.sc.edu/calclab/141L-F18/>

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 2018

Maple 2018 is available on all computers within LeConte. Computer labs are located in LC 102, 124, 303A, and 401. Maple 2018 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 2018 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 2018 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 CH-USC1819-RT5L.

Printing

Undergraduates will be charged \$0.10/page for printing in the LeConte Lab Printing System. 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 something is 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	40 points
Project	20 points
<u>Attendance</u>	<u>10 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/>