

Lab Syllabus for Calculus II (MATH 142), Fall 2006

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 WWW. The lab homepage is

<http://www.math.sc.edu/calclab/142L-F06/>

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 10

We will use the computer labs in MATHSTAT 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 MATHSTAT network. Maple 10 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 10 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 MATHSAT 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 10 of \$40 or receive the software on a CD for \$50. All purchases under this special plan must be made online at <http://webstore.maplesoft.com/> using the promotion code AP14553U.

Grading

Lab grades will be based on two (2) lab projects, two (2) hour quizzes, weekly quizzes/assignments, and your attendance.

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| Hour Quizzes | 20 points |
| Quizzes/assignments | 30 points |
| Projects | 30 points |
| <u>Attendance</u> | <u>20 points</u> |
| Total | 100 points |

Each lab missed will lower your attendance grade by two (2) points; five (5) bonus points will be awarded for perfect attendance, 2 bonus points for only one absence. No excuses will be considered in this regard; see also the Attendance Policy on this document.

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.