# Calculus I
## Math 141 - 005/006
## Spring 2013

**Instructor:** Aaron Dutle, dutle@mailbox.sc.edu, LC 418B
**Teaching Assistant:** Robert Wilcox, wilcoxr2@mailbox.sc.edu, LC 122B

**Lecture:** MWF, 10:10-11:00, LC 412.
**Recitation:** Section 005: Th 8:00-8:50, LC 121
Section 006: Th 9:30-10:20, LC 121
**Maple Lab:** Section 005: T 8:00-8:50, LC 303A
Section 006: T 9:30-10:20, LC 303A
**Office Hours:** MW 1:00-2:00, or by appointment

**Prerequisite:** Grade of C or better in any of Math 112, 115, 116; or qualification by placement test (MA4-9 or MD0-9 required).

**Text:** J. Stewart, *Calculus, Early Transcendentals, Sixth Edition.*

**Calculators:** Will not be needed in this course.

**Overview:** This course is the first half of the standard Calculus sequence. There are four main topics to be covered. They are (1) limits, (2) differentiation, (3) applications of differentiation, (4) basic integration. These topics are covered in the first 5 chapters of the text.

**Learning Outcomes:** Upon successful completion of this course, students will be able to set up and solve problems involving the material covered, and be able to clearly communicate these solutions to others in writing.

**Grading:** The grade in this course will be based on performance on homework, quizzes, the maple lab, three tests and a final exam. The weights assigned to each of these components will be:

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|---|---|
| Homework: | 10% |
| Quizzes: | 10% |
| Maple Lab: | 10% |
| Tests: | 15% each |
| Final Exam: | 25% |

Course grades will be determined according to the following scale:
A: 90-100, B+: 85-89, B: 80-84, C+: 75-79, C: 68-74, D: 60-67, F: 0-59.

**Tests:** The dates for the three test will *tentatively* be Feb 8, Mar. 25, Apr 22. There will be **no make-up tests**. See the replacement policy in the Final Exam section.

**Final Exam:** The final exam will be cumulative. It will be held on Monday, May 6, at 9:00 am, in LC 412. The final cannot be made up except under *extreme* circumstances.

If 80% of the final exam score is higher than on your worst test score, this amount will replace the lowest test score. If 60% of the final score is higher than your *second* worst test score, then this amount will replace the second worst test score. This allows for the possibility of missing an

exam without getting a zero.

**Homework:** Will be posted and completed on www.webassign.net. Sign up using the class key for your section. Section 005 uses class key **sc 9022 5017**. Section 006 uses class key **sc 8432 5171** There will be homework posted following every lecture, which will be due by the beginning of class one week later. Late homework will not be accepted. Scoring 90% or more will earn full credit for the homework grade.

**Quizzes:** A short quiz will be given each week, at the end of the recitation section on Thursday. It will consist of (perhaps) stating a definition or theorem, and problems from the material covered in the previous lectures. The problems will be drawn directly from, or be very similar to, the homework problems. **There will be no make-up quizzes.** Your lowest quiz grade will be dropped.

**Maple Lab:** The Maple lab will provide computational examples which will further clarify the fundamental concepts of calculus. Your grade on the lab portion of the course will be determined by your Lab Teaching Assistant.

**Math Labs and Private Tutoring:** USC provides students with many options for **free** help with math courses. The LeConte Math Tutoring Center in LeConte 105 is open Monday-Thursday from 10:00am-3:00pm and is staffed with graduate students who can answer your questions. You can find more information at the Math Tutoring Center website (http://www.math.sc.edu/mathlab.html). If you feel that you need more intensive and personalized help, you can also hire a private tutor either through a tutoring service or through the USC Math Department Private Tutor List (http://www.math.sc.edu/mathlab/private/).

**Attendance:** Class attendance is expected. If you know you will miss a lecture, please make arrangements with another student to catch up on the material missed. By University policy, you may miss up to 10% of class meetings (4 classes, excused or unexcused) with no penalty. If more than 10% of class meetings are missed, the instructor reserves the right to lower the final grade by a half-letter grade for every class meeting missed above the 10% cutoff. It is impolite and disruptive to leave class early unless you have notified me of this before class starts.

**Academic Honesty:** Cheating will not be tolerated in this course. Violations of this policy will be dealt with in a manner consistent with University regulations, which range from a warning to expulsion from the University.

   Please silence and refrain from using all electronic devices during class and exam periods.

**Some Important Dates:**
January 18, Friday - Last day to drop/add
January 21, Monday - Dr. Martin Luther King Jr. Service day, no classes
February 4, Monday - Last day to apply for May graduation
March 4, Monday - Last day to withdraw with a grade of 'W'
March 10-17, Sun.-Sun. - Spring Break, no classes
April 29, Monday - Last day of classes
May 6, Monday - Final Exam