

SYLLABUS FOR MATH 142, SECTIONS 001-002, CALCULUS II

Instructor. Daniel Dix

Office Hours. T Th 2:15-3:15 pm, W 10-11 am. All students are encouraged to see me before or after class, or send me e-mail, to set up appointments (if the above times are not suitable) which fit our individual schedules.

Office, Telephone, E-mail. LeConte 400E, 777-7525, dix@math.sc.edu.

Course Web Page. <http://www.math.sc.edu/~dix/teach/142.f12.html>

Lecture Time and Room. T Th at 9:30–10:45 in LC 113.

Prerequisites. Placement, or C or better in Math 141.

Text. *Calculus, Early Transcendentals* by James Stewart, Sixth edition.

Material to be covered, Learning Outcomes. Upon successful completion of this course students should be able to:

- (1) Apply techniques of integration to transform and evaluate certain integrals.
- (2) Use integrals to compute areas, volumes and average values.
- (3) Decide the convergence and divergence of certain sequences and series.
- (4) Compute the Taylor series and interval of convergence of certain functions.
- (5) Utilize Maple to solve problems related to the above concepts.

TA for Recitation and Lab. Greg Ferrin, ferringm@email.sc.edu.

Recitation. Monday in LC121 at (8:00-8:50 section 001) or (9:05-9:55 section 002).

Maple Labs. Friday in LC102 at (8:00-8:50 section 001) or (9:05-9:55 section 002).

Homework. Homework problems will be assigned at each class meeting. They are to be completed on WebAssign, <http://webassign.net>. The class keys are

- (1) section 001: **sc 5763 7980**;
- (2) section 002: **sc 2837 5312**.

A powerpoint presentation showing how to get started with WebAssign is available on the course web site. A pdf version of the WebAssign Student Quick Start Guide is also there.

Quizzes. There will be regular 10-15 minute quizzes, usually once per week, at the beginning of recitation. No makeup quizzes will be given. These will also be graded and returned. A few of the lowest quiz grades will be dropped.

Exams. There will be three exams given during the usual class time. These will be on the following dates:

- (1) Thursday, Sept. 20. (The last day you can withdraw without receiving a WF is Thursday, Oct. 11.)
- (2) Thursday, Oct. 25.
- (3) Thursday, Nov. 29.

These will consist of problems similar to homework problems.

Policy on Missed Exams. No makeup exams will be given unless the student contacts the instructor **prior** to the scheduled exam time and provides proof of a medical or other emergency.

Final Exam. This two hour comprehensive exam will be given on Monday, Dec. 10, at 9 am in the classroom. This exam will give equal stress to all the sections of the text covered during the course. In particular, it will include the material covered after the third in-class exam.

Grading System. Your final score (out of 100 total points) for the course will be computed as follows:

- (1) Lab grade will count 15 points.
- (2) Homework grades will count 10 points.
- (3) Quiz average (lowest 3 quiz grades will be dropped) will count 10 points.
- (4) Average of the 3 in-class exam scores will count 45 points.
- (5) Final exam will count 20 points.

There will be no “curve”. From this 100 point figure your grade will be determined by the scale:

A: 90–100 B: 80–89 C: 65–79 D: 50–65 F: 0–49