Syllabus for Mathematics 141 Sections 7, 8, and 22
Fall 2018

TIME AND PLACE: MWF, 9:40 a.m.–10:30 a.m. LC 412
INSTRUCTOR: Ralph Howard
OFFICE: LC 304
OFFICE HOURS: TTh 2:30-3:30pm and by appointment
E-MAIL: howard@math.sc.edu
TEXT: *Thomas' Calculus Early Transcendentals* by George B. Thomas, Maurice D. Weir, and Joel R. Hass. 13th edition
MYMATHLAB You will need an access code for http://www.mymathlab.com, the online homework soft- ware.
CLASS WEB PAGE: http://ralphhoward.github.io/Classes/Fall2018/141/

Tests: There will be three midterms and a final. The midterms count for 100 points each and the final is 150 points. The dates of the tests are

Test 1	Wednesday, September 19
Test 2	Monday, October 29
Test 3	Friday, November 30

Homework and quizzes: Homework will be assigned and collected at least once a week. There will also be quizzes based on the homework. For the most part the quizzes will just be about basic definitions and techniques that will be needed and you will what they are about will be announced in the previous class. A word of warning: The homework and quiz total is as much as much as a test, so it is important that you do the homework.

Grading: The there is a total of 550 points possible for the term broken down as follows:

Three midterms 100 points each	300 points
Total for Homework and Quizzes	100 points
Final	150 points
Total	550 points

Your grade will be based on the total out of 550. The last day to drop without a grade of WF is Monday, October 15 and you should have a good idea of where you stand by then.

There will not be make up exams or quizzes: If you miss a test, then your score on that exam is 80% of the average of your other test scores including the final. If a second exam is messed the score on it is zero. Likewise late homework will not be accepted and there will not be make up quizzes. If you miss a quiz then you lose the points.

Student learning outcomes: Upon completion of the course a student will be able to

- Work with functions of one variable,

- Understand the meaning of the derivative and integral and be able to compute derivatives and integrals of concrete functions such as polynomials, rational functions, exponential functions, logarithms, and trigonometric functions,
- Use derivative information of a function to sketch a graph of it and use this to understand the qualitative information such as monotonicity, and maximums and minimums,
- Understand the fundamental theorem of calculus and how it is used to compute integrals.
- Compute areas and volumes, and
- Use calculus to model problems from other fields.