Schedule: When and Where: MTuWThF 11:30 AM–12:45 AM, ILB 360, (\{05, 27, 2014; 07, 21, 2014\} \{07, 04, 2014\}) \{M, Tu, W, Th, F\}


Instructor: Prof. Scott Carter, ILB 308, 460-6264, x66756, e-mail: carter@southalabama.edu
You may address me as Dr. Carter, Professor Carter, Professor Zap, or DC. Please help me learn your name.

Office Hours: MTuWThF 10:05AM-11:25AM or by appointment. You are encouraged to come to office hours to ask about the course and to get acquainted. Please do not knock on my office door in the afternoon before 1:30PM.

Relevant URLs: The urls that are listed below correspond respectively to (1) Course materials, (2) my youtube channel, (3) the official syllabus for the department (4) The University’s final exam schedule, (5) The University’s academic conduct and disruption policy. Keep these handy.

http://www.southalabama.edu/mathstat/personal_pages/carter/classes.html
http://www.youtube.com/ProfessorElvisZap
http://www.southalabama.edu/mathstat/info/schedules/coursessyllabi/ma100level/
MA126%20syllabus.pdf
http://www.southalabama.edu/registrar/dates.htm#final
http://www.southalabama.edu/lowdown/

My webpage contains old exams, old quizzes, and other useful stuff.

Grading Policies: All points earned are positive points. The total number of possible points will depend on the number of points on quizzes that are given, and the number of points on the tests.

If you are absent or late to a quiz, then you do not earn points. As I write this, I am planning on at least 2 quizzes per week each of which is worth between 3 and 12 points. Anticipate a quiz every class day; quizzes will be unannounced. You can expect that roughly 150 of your possible earned points will be available on quizzes.

Tests: There will be 2 tests: Monday, June 23, 2014 and Monday, July 14, 2014. Each counts at least 100 points. According to my reading of the final exam schedule the final is scheduled Friday, July 25, 2014, 10:30 AM 12:30 PM. The final counts at least 150 points.

Scoring: Attentive students who do their homework, who study before attending class, and who review carefully before the exam or the final will earn close to the maximum number of points available. Students who do not attend class, do not earn points on quizzes. Such students lose this opportunity for credit.

You will always be informed of your cumulative points. You should pretend that your grade is on a standard, 60%, 70%, 80%, 90% scale. Since I am aware of personal contingencies, I will grade as if the cut-off is lower than the highest possible score. During the review of the first day handout, I will illustrate how I determine cut-off scores between each grade.

Absences: Don’t be absent! Quizzes occur. I explain and re-explain. Make sure that your car is in good working condition, you know how to take the bus, you can ride here safely on a bicycle, or you can walk here. Most cell phones include an alarm clock. If you are habitually 5 minutes
late, then reset your alarms. You lose points when you miss quizzes. You lose the opportunity to have your questions answered when you miss class.

**Learning Objectives for the Course:** Upon successful completion of the course a student will be able to:

1. define, compute, and interpret a definite integral;
2. state, explain, and apply the fundamental theorem of calculus;
3. perform techniques of integration, including u-substitution, integration by parts, decomposition into partial fractions, and trigonometric substitution;
4. recognize and compute improper integrals;
5. apply integrals to concepts such as area, volume, arc length, mass, work, and energy;
6. manipulate infinite sequences and series;
7. apply tests of convergence and divergence;
8. find the interval of convergence for power series, manipulate power series within their intervals of convergence, and represent analytic functions as a Taylor series;
9. describe plane curves in terms of parametric equations and polar coordinates.

**Other Remarks:**

**Calculators:** You may use a calculator for your homework, but there are only a few quizzes for which the calculator is allowed. Sometimes it is an essential tool, more often it is a cumbersome burden. The correct use of a calculator is as a check to your arithmetic or your rough sketch.

**Blue books:** On or before June 6, 2014, supply me with 3 large blank blue books. Do not write your name on the blue books!

**Special Students:** If you have a specific disability that qualifies you for academic accommodations, please notify the instructor/professor and provide certification from Special Student Services. (OSSS is located in Room 270 of the Student Center (460-7212).

**Departmental tutoring:** Free tutoring is available for elementary courses (ILB 235) from the Department of Mathematics and Statistics. Please check the bulletin board outside ILB 325 for details.

**Disclaimer:** The requirements and policies may be modified as circumstances dictate. Such changes will be provided to the students in class and in writing.

**Dropping** The final drop date is Tuesday, July 1, 2013, 11:59PM. Please speak to me if you are getting behind. Also talk to me before making a final decision to drop.

**Homework Schedule:** A homework schedule for the course is attached.

**Academic Conduct and Disruption.** See The Lowdown for details.