Schedule: Where and When: ILB 350 MWF 12:20PM-1:10PM, Tuesday 11:25AM-12:15PM
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.
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/colleges/artsandsci/mathstat/syllabi/ma126.html
http://www.southalabama.edu/departments/registrar/finalexamschedule.html
http://www.southalabama.edu/lowdown/

My webpage contains old exams, old quizzes, day-by-day photos of class blackboards, and other useful stuff.

Office Hours: MTuW 10:30-11:20 AM, Tu 2:15PM-3:15PM, Fri 10:00-11:00AM, and 2:30-3:30PM except on days on which I travel. Please feel free to make an appointment for another time if needed. If I am in the office and not involved in something with an urgent deadline, I am happy to talk with you about mathematics. If I am in the office, it is early afternoon, and the door is closed, then I am having a cat nap. Don’t knock!

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.

Tests: There will also be 2 tests Monday, Feb. 15, 2016 and Monday, April 4, 2016. Each counts at least 100 points. Make-up exams will be an extreme rarity and subject to my discretion. The final exam will be held, 1:00PM - 3:00PM, Monday May 2, 2016. The final counts at least 150 points.

Scoring: I'll explain scoring on the first day of class. 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.

Absences: Absent students lose privileges. The syllabus is subject to change and clarification. Expect a quiz every day. If you miss a quiz, you do not earn points. If you do not understand an explanation on Tuesday, it may be the case that clarification is given on Wednesday. I depend upon you (your facial expressions, your body language, your enthusiasm, or lack thereof) to pace my lectures and develop the material. Don’t miss class!

Class pacing. Immediately after a quiz is turned in, I'll show you how to work it. The next event is a review of homework. Please don’t make me ask more than once if there are any questions; otherwise we’ll waste class time. If there are no immediate questions, I’ll work selected problems from the previous assignment. After I feel that I have adequately answered homework problems, we’ll go onto new material. Not only should you come to class prepared with homework questions,
but you should have read the text in preparation for the next class. **Read the previous section and the current section! Do not 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;
8. 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 Jan 25, 2016, supply me with 3 large blank blue books. Do not write you name on the blue books! These will be used for tests and the final.

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

**Counseling and Testing Services** Counseling and Testing Services provides a variety of free and confidential services for students. For further information regarding this resource go to www.southalabama.edu/counseling or call the office at 460-7051.

**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 April 1, 2016, 4:59 PM. 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. An e-copy will be posted at my webpage.