Schedule: Ma 126-104 (CRN 20812) MWF 1:25 PM- 2:15PM ILB 410, Tu 11:00 AM-11:50 AM ILB 345.


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. Do not refer to me as, “Ah hey.” Until (and shortly after) you are certain that I know your name, introduce yourself to me. Try, “Excuse me, DC, my name is ____________, I have a question about …”

Course Materials will be posted here:

http://www.southalabama.edu/mathstat/personal_pages/carter/classes.html

Be aware that among the postings are old exams, old sample tests, and other helpful material. Check it out.

Office Hours: MWThF 10-11:45, Tu 10-10:50, or by appointment. You are encouraged to come to office hours to ask about the course and to get acquainted.

Lectures on new material will sometimes be posted at

http://www.youtube.com/ProfessorElvisZap

in the Calculus 2 play list. Some material is already there. Anyone who wants to help video record this material is welcome. Video tapers earn 3 points for each session.

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, but they will usually be at the beginning of class. You can expect that roughly 200 of your possible earned points will be available on quizzes.

Tests: There will be 2 tests: Tuesday Feb. 18 and Tuesday Apr. 9. Each counts at least 100 points. Make-up exams will be an extreme rarity and subject to my discretion.

Final Exams The final will count at least 150 points. The official final exam schedule is found here:

http://www.southalabama.edu/registrar/dates.htm

According to my reading, the final is 1PM-3PM Wednesday May 8.

Scoring: Last semester there were 644 points that could be earned. The highest scoring student earned 619 points. 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. Last semester, for example, students who scored above 84% earned As, students who scored between 63% and 83% earned Bs. 

**Absences:** Absent students lose privileges. The syllabus is subject to change and clarification. Expect a quiz every day. Quizzes are frequent and unannounced. If you miss a quiz, you do not earn points. If you do not understand an explanation on Monday, it may be the case that clarification is given on Tuesday.

**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 Feb. 2, supply me with 3 large blank blue books. Do not write your name on the blue books! Do not purchase your blue books at Ander’s bookstore; if you do, I will ask you to return them. 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 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 April 5 at 4:59. Please speak to me if you are getting behind. Also talk to me before making a final decision to drop.
Homework Schedule: I will prepare a homework schedule for the course. An e-copy will be mailed to you and posted at

http://www.southalabama.edu/mathstat/personal_pages/carter/classes.html

Academic Conduct and Disruption. See

http://www.southalabama.edu/lowdown/policies.shtml