Carter  Mathematics 125-101 or Mathematics 125-103  Summer 2011

Schedule

- 125-101: MTWRF 9:10-10:30 AM ILB 370
- 125-103 MTWRF 11:30AM-12:50PM ILB 430


Instructor: Prof. Scott Carter, ILB 308, 460-6264, x66756, e-mail: carter@jaguar1.usouthal.edu

Office Hours: MTWRF 10:35-11:25; TuTh 2:30-3:30PM or by appointment. You are encouraged to come to office hours to ask about the course and to get acquainted.

Daily Schedule. Each class will begin with a 15 minute review of the previous night’s homework. At the beginning of class, students will request that problems be worked. I will select representative problems from those requested.

The next 30 minutes will be a summary of the subsequent sections. When possible, I will also video record these sections and post them at

http://www.youtube.com/ProfessorElvisZap

Students are welcome to assist me in these video recordings.

The next 20-30 minutes of class time are devoted to you working independently and in groups on the subsequent homework. During this time, I will be walking around watching your work and answering specific questions.

Class will end with a summary and/or quiz. The quiz will cover the previous homework and/or the problems that we just covered in class.

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

There will be written quizzes that cover the homework assignments. These will be held at least twice per week and otherwise will be unannounced. Quiz points will range from 3 to 10 points each. Anticipate that the total possible quiz grade will be in the range of 100 to 150 points.

Tests: There will be 2 tests, Monday June 20 and Monday July 11. Each counts at least 100 points.

Final Exams Official Schedule posted at:

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

- Wednesday July 27, 8:00AM-10:00AM for Section 101
- Friday July 29, 10:30AM-12:30PM for section 103.
- Students in the early class may not reschedule the final exam.
- Make-up exams will be an extreme rarity and subject to my discretion.
**Scoring:** There will be more than 450 points available. If you miss a quiz, you do not earn points. All your returned papers will contain a score for the assignment and a cumulative score expressed as an unreduced fraction.

You will always be informed of your cumulative points. You should pretend that your grade is on a standard, 60%, 70%, 80%, 90% scale even though I will show some lenience towards the end.

**Absences:** Absent students lose privileges. The syllabus is subject to change and clarification. Therefore, class attendance is important. Also all quizzes are unannounced. When you miss a quiz, you may not make it up. If you do not understand an explanation on Monday, it may be the case that clarification is given on Tuesday.

**Goals for the Course:** (1) deep familiarity with the standard linear, polynomial, rational, algebraic, and transcendental functions with respect to their critical behavior, regions of increase and decrease, and concavity properties; (2) a deep understanding (both conceptual and computational) of the idea of a limit; (3) the technical skills necessary to understand, interpret, and compute the derivative as a rate of change, as a linear approximation, and as a tool for optimization problems; (4) the ability to compute simple anti-derivatives and interpret the difference in values of such as an area; (5) the ability to state and prove results about limits, derivatives, mean values, and the fundamental theorem of calculus.

**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.

**Blue books:** On or before June 13, 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 course 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 July 5, 2011 before 11:59PM. 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

Problems indicated in red will be worked during the class problem sections.

**Academic Conduct and Disruption.** See

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