When and Where: MTuWThF 9:10 AM–10:05 AM, ILB 350,\{(05, 28, 2013; 07, 22, 2013) \ (07, 04, 2013)\} \ {M,Tu,W,Th,F} 
Instructor: Prof. Scott Carter, ILB 304, 460-6264, x66756, e-mail: carter@southalabama.edu
http://www.southalabama.edu/mathstat/personal_pages/carter/classes.html

You may call me, Professor Carter, Dr. Carter, Professor Zap, or DC. Do not refer to me as “heyah.”


Office Hours: MTuWThF 1:30PM-3PM 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 before 1:30PM.

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 frequently, on the order of two to three times per week. 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 24, 2013 and Monday, July 15, 2013. Each counts at least 100 points. According to my reading of
http://www.southalabama.edu/registrar/dates.htm#final
the final is scheduled Wednesday, July 24, 2013, 8:00 AM – 10:00 AM. The final counts at least 150 points.

Scoring: There will be more than 450 points available. If you miss a quiz, you do not earn points. I will keep you informed on the total number of points that possibly can be earned as these points are earned. Thus your quiz papers will contain a score for the quiz and a cumulative score expressed as an unreduced fraction.

Once the semester is over, I graph the total points earned for each student, arrange the scores from highest to lowest, and insert break lines between As and Bs at the most convenient break that is less than or equal to 90% of the possible points earned. The A/B-line does not move very much below 90%. The B/C line will be the closest break line less than or equal to 80%. The B/C-line may move as far down as 70%. The process continues: I look for break lines that are at or below the 60-70-80-90 marks.

You will always be able to compute your cumulative points.

Absences: Habitually absent students lose privileges: E.g. office hours, sensitive answers to in class questions, grading appeals, and possible points that can be earned on quizzes. The syllabus is subject to change and clarification. Therefore, class attendance is important. Also there are un-announced quizzes. If you miss a day on which there is a quiz, you do not earn these points.

If you do not understand an explanation on Monday, it may be the case that clarification is given on Tuesday. I cannot teach you when you are absent.
Learning Objectives for the Course:

- You will have developed good conceptual and computational understandings of linear algebra.

- You will be expected to be able to state definitions precisely, prove some small theorems, follow the proofs of bigger theorems, and apply these results in a variety of real world situations.

- You will be able to row reduce a matrix by hand, and describe the steps used in row reduction as elementary row operations.

- You will be able to identify row space, column space, null space, domains and ranges associated with matrices and with linear maps.

- You will be able to perform matrix arithmetic (addition, multiplication, multiplication by scalars) and be able to interpret these operations in terms of linear transformations, changing bases, or as row or column operations.

- You will be able to identify eigenvalues and eigenvectors of self-adjoint matrices.

Other Remarks:

1. **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. Your calculator should be able to compute the reduced row echelon form of a matrix.

2. **Homework** is assigned by the attached schedule.

3. **Blue books** On or before June 7, 2013, 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.

4. **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).

5. **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.

6. **Disclaimer** I have the right and the duty to modify the requirements of the course as circumstances dictate. Such changes will be provided to the students in class and in writing. This is another reason that attendance is mandatory.

7. **Dropping** The final drop date is Tuesday, July 2, 2013, 11:59PM. Please speak to me if you are getting behind. Also talk to me before making a final decision to drop.