

UNIV 1108 Syllabus – Fall 2009

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Office Hours

MWF: 12:00-1:00 pm and by Appointments

Text: Functions and Change by Crauder, Evens and Noell (fourth Edition)

Some handout material will be hand out during the class

Supplemental materials required for course

Graphing calculators are required for course. The techniques used in the course will be shown using a Texas Instruments TI-83 calculator. The TI-82, 83, 83 Plus, 83 Plus Silver Edition, 85, and 86 are all appropriate.

Goal of this course

The goal of this course is to improve the ability of students to apply quantitative skills and reasoning to the analysis of real-world data and give students an opportunity to learn something significant about how math is used, and why math is important. In doing so, the student will develop the foundations for the quantitative demands of other general education courses in natural and social sciences and foundations to be successful in Math 1101, Introduction to Mathematical Modeling, at The University of Georgia.

Content of this course

The first part of the course will introduce some basic math concepts involved the use of descriptive statistics to describe numerical data and relationships among numerical data in a quantitative fashion. The second part will build on the first by introducing some realistic modeling problems. Graphs, functions, regression, recursive patterns, linear and exponential functions will be used.

Topical Outline

Because of the newness of the course, no explicit calendar can be given. However, a topical outline can be provided with the understanding that the topics may change depending on the pacing of the class.

Graphing Data, Functions, Linear Models, Quadratic Models, Polynomial Models (if we have time), Exponential Models, Logarithmic Models (if we have time).

Grades will be computed on a standard 10-point grading scale.

90 – 100	A
80 – 90	B
70 – 80	C

60 – 70 D
 Below 60 F

Grade Components

3 tests Each earns 100
 Final Exam 200
 Class/home work: Very & depend on how many of them that I will collect.

Each earns 5 points.

Your grade=(your earned points /total points) *100

There will be four tests/projects in the course. Initially, I expect the tests to cover:

Test 1: Chapter 1 & 2 (Section 5 exclude)

Test 2: Chapter 3 & 4

Test 3: Chapter 2(Section 5) & 5

Much of the content of the course will be class discussions and work on exercises from the text. You are expected to have the textbook every day. At the end of the class, your answers to the exercises covered that day will be turned in and graded.

Withdrawal Policy

You may withdraw from the course with a “W” (if you are passing at the time) or a “WF” (if you are failing at the time) without penalty until the deadline. After that day, any withdrawals must be assigned a grade of “WF.”

Regardless of whether the withdrawal is assigned a grade of “W” or “WF,” the 3 semester hours of this class count toward the total number of hours allowed by the HOPE scholarship and other scholarships.

Attendance Policy

You are expected and required to attend every class meeting. However, illnesses and accidents happen. Thus, you have six (6) absences from the class. More than six and you may be withdrawn from the course with a grade of WF. The exception is illness; you should contact your instructors and have medical excuses from the Heath Center. You may have any number of such excused absences.

Tardiness is disruptive to the class. While the occasional tardiness is excusable due to the difficulties in finding parking or crowded buses, regular tardiness will be penalized by being counted as unexcused absences. A warning will be issued before penalties are enacted.

University of Georgia Honesty Policy

The Honesty Policy at the University of Georgia is described in detail in the publication *A Culture of Honesty* and is available through the Office of the Vice President for Instruction or online at www.uga.edu/ovpi/academic_honesty/culture_honesty.htm.

1. “No student shall knowingly perform, attempt to perform or assist another in performing any act of academic dishonesty.”
2. Acts of academic dishonesty include, but are not limited to: plagiarism, unauthorized assistance, lying, tampering, bribery, or theft.

It is your responsibility as a student at The University of Georgia to be aware of what constitutes academic dishonesty and to avoid any hint of it in your work at the University.

Tentative dates for tests.

Test one :09/11/2009

Test two: 10/09/2009

Test three: 11/06/2009

Homework

Chapter P					
Chapter 1	Section 1.1: 1,3,5,6,7,8	Section 1.2: 1,2,3,4,8,14	Section 1.4: 1,2,3,5,6,7,8,9,10, 11,14, 16,17,18	Review: 3,5,7,9,11,13,17	
Chapter 2	Section 2.1: 1,2,3,6,12,14	Section 2.2: 1,3,4,5,7,10, 17,18,19	Section 2.3: 2,3,5,7,11,13,17	Section 2.4: 1,2,5,6,7,8,15	Chapter 2 Review 1,3,5,7,9,11,13,15, 17
Chapter 3	Section3.1: 1,3,5,7,	Section3.2: 1,2,5,6,7	Section 3.3: 1,3,4,5,9	Section 3.4: 1,2,3,5,7,9	Chapter Review: 1,3,5,7,9,15,17,19
Chapter 4	Section 4.1: 1,3,5,7,9,13,21				
Chapter 5					