

MATH 1101
Elementary Mathematical Modeling
(Summer 2003)

Course: MATH 1101L
Call: 90-826

Room: GSRC 1023-304
Time: 10:30A- 11:30A Daily

Instructors: Moustapha PEMY
Office: 427F Boyd Graduate Studies Bldg
Email: pemy@math.uga.edu
Office hours: 11: 30A- 1:00P T, W.
Phone: (706) 542 2619

Course description.

An introduction to mathematical modeling based on the use of elementary functions to describe and explore real-world data and phenomena. Graphical, numerical, symbolic and verbal approaches to the investigation of data, functions, equations, and models. Emphasis on applications and the ability to construct useful mathematical models, to analyze them critically, and to communicate quantitative concepts effectively.

Note: This course is **not** meant to prepare students for Math 1113 (Pre-calculus).

Materials.

Text: Elementary Mathematical Modeling Functions and Graphs by Davis and Edwards Prentice Hall

Calculator: TI-83

Web Site: www.math.uga.edu\1101

Course Outline:

Test # 1 Chapter 1 Tuesday June 23
Test # 2 Chapter 2 Tuesday July 3
Test # 3 Chapter 3 Thursday July 17
Test # 4 Chapter 4 Friday August 1

The above four tests will be tested in class and will be worth 15% each. Any absence on a test day will result in a test grade of 0. At the end of the semester the lowest of the four test grades will be replaced by the Final Exam score provided the final Exam is higher. Only one test grade can be replaced by the final exam grade, thus if more than one test is missed, a grade of 0 will stand for the rest.

Homework and quizzes will be randomly assigned. Students are expected to have their calculators with them during each class No makeup quizzes will be given, thus any absence on a quiz day, excused or not, will result in a quiz grade of 0. At the end of the semester the one lowest quiz grade, which may include 0's for absences, will be dropped.

Note that homework and quizzes will be worth 20% of your grade. The Final Exam will be worth 20% of your grade.

Course grading.

A > 90, 80 < B < 90, 70 < C < 80, 60 < D < 70, F < 60.

This course syllabus provides a general plan for the course; deviation may be necessary.