

- Homepage
- Calendar
- Course Content
- Syllabus
- Communication Tools
- Discussions
- Course Mail
- Student Tools
- My Grades
- My Progress

Syllabus

Instructor Information

Name: Mr. Reichle
 Email: kurt@math.uga.edu
 Office location: 603C Boyd GSRC
 Office hours: MWF 11:15 am - 12:15 pm and TR 12:45 pm - 1:45 pm
 Phone: 706-542-2588

Course Information

Course title: Mathematical Modeling
 Course number: MATH1101
 Course discipline: Mathematics
 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. The course is not meant to prepare students for Math 1113 (Precalculus).
 Location: Boyd GSRC, Room 328
 Meeting day(s): MWF
 Meeting time(s): 10:10 - 11:00 am

Textbook

Required reading: *Elementary Mathematical Modeling, Functions and Graphs*, Davis, Mary Ellen and Edwards, C. Henry, Prentice Hall, 2007

Course Requirements

Requirements: Texas Instruments Graphing Calculator TI-83 (or TI-82 or TI-84). While one can complete the course with a TI-85 or TI-86, it is not recommended. You cannot use a TI-81 for this course. Students are expected to have their calculators with them during each class.

Tutoring Options

: http://www.math.uga.edu/undergraduate/student_services.html and <http://www.uga.edu/dae/>

Important Dates

: Oct 22 - WP will be assigned for all withdrawals by this date (see withdrawal policy below) Oct 22 - Midpoint Withdrawal deadline

Test Information

Test Dates:: Test 1(Ch 1 & 2): Sep 14; Test 2(Ch 3): Oct 12; Test 3(Ch 4.1 & 5): Nov 6; Test 4(Ch 6): Dec 4
 Test Procedures: Students are required to have their calculators on test days. Makeup tests are given at the discretion of the instructor and in general will need documentation. Students missing a test must contact the instructor before the next class meeting, and the test must be taken before the tests are returned to the class.

Quiz Information

: There will be eight announced quizzes given in class. Quiz questions will be similar (but not necessarily identical) to assigned homework problems from the text. 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, 25% of the quiz scores will be dropped.

Final Exam Information

Control Panel

MATH1101 (Reichle)

View Designer Options

Course Menu

- Homepage
- Calendar
- Course Content
- Syllabus
- Communication Tools
- Discussions
- Course Mail
- Student Tools
- My Grades
- My Progress

Homepage > Syllabus

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: The Final Exam is Dec 16, 8 - 11 am.

Grading Scale

: F<60, 60<=D<=69, 70<=C<=72, 73<=C<=77, 78<=C+<=79, 80<=B<=82, 83<=B<=87, 88<=B+<=89, 90<=A<=92, 93<=A<=100.

Grade Computation

: Quizzes 15%, Hour Tests 50%, Project 10%, Final Exam 25%.

Absences

: The official attendance policy of the university states: Students are expected to attend classes regularly. A student who incurs an excessive number of absences may be withdrawn from a class at the discretion of the professor (<http://bulletin.uga.edu/bulletin/ind/attendance.html>). In this class, we interpret "excessive" to mean six or more absences. No distinction will be made between excused or unexcused absences.

Withdrawals

: A student who is withdrawn by Oct 22 will receive a WP. A student who is withdrawn after Oct 22 will receive a WF.

Incompletes

: Incompletes in this course are rarely given but indicate that a student was doing satisfactory work, but, for non-academic reasons beyond his/her control, was unable to meet the full requirements of the course. In Incomplete will not be given unless the student has completed a substantial part (at least 75%) of the course.

Academic Honesty <http://www.uga.edu/ovpi/honesty/academic.htm>

: All academic work must meet the standards contained in "A Culture of Honesty." Students are responsible for informing themselves about those standards before performing any academic work. All academic work submitted in this course must be your own unless you have received my permission to collaborate and have properly acknowledged receiving assistance. It is my responsibility to uphold the University's academic honesty policy and report my belief of dishonesty to the Office of Vice President for Instruction.