

**MATH 2110**  
**Calculus for Economics**  
**Spring 2006**

**Instructor**: Cherilyn Rumely

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**Office Hours**: MW → 9 a.m. – 10 a.m.

MWF → 11:15 a.m. – 12:05 p.m.

Other hours by appointment, but gladly

**Materials**: Text: Introductory Mathematical Analysis, 11<sup>th</sup> edition, Haeussler, Paul & Wood  
Scientific Calculator no more powerful than a TI-83+

**Note**: The cell phone is not a mathematical tool and should not be out and visible nor should it be heard during class.

**Purpose**: The purpose of Math 2110 is to prepare students to be successful in AgEcon 3580. The topics involved are integration and its application in calculating areas and consumer & producer surplus, partial differentiation of multivariable functions and its application in max/min problems with emphasis on the method of Lagrange multipliers, and matrix arithmetic.

**Grades**: There will be five major tests, quizzes/homework and a 3-hour comprehensive final exam. The two lowest quiz/homework scores will be dropped, and the average of the remaining scores will count as a 6<sup>th</sup> test score. **NO** make-up quizzes will be given. Any missed major test can be made up only in the case of a documented emergency. Any student who misses a major test must contact the instructor **before** the next class meeting. The components will be weighed as follows:

5 major tests + quiz/homework average → 75%,

Final exam → 25%.

The standard grading scale will apply: 90 – 100 A, 80 – 89 B, 70 – 79 C, 60 – 69 D, and below 60 is an F. Note: An “88” is not an “A”.

**Tentative Test Dates**:

Test 1 → Feb. 1

Test 2 → Feb. 20

Test 3 → March 22

Test 4 → April 14

Test 5 → April 28

**Final Exam**: May 3 → 12 noon – 3 p.m.

**Attendance**: Attendance will be taken daily starting Friday, Jan. 13. A student with no more than 5 absences, **excused or unexcused**, may replace their lowest major test score with their final exam score. Students with more than 3 unexcused absences before midterm will be withdrawn from class.

**Homework:** Homework will be assigned daily, and it is essential that you do all reading and attempt all problems before the next class. When possible, we will spend some class time answering homework questions, but if time does not permit all questions being answered, it is the student's responsibility to seek help outside of class. Homework is for **your** good and will not be collected, but quiz questions will be "clones" of problems assigned for homework.

**Important Dates:** Jan. 9 – 12 : Drop/Add

Jan. 16: MLK, Jr. holiday

March 7 – Midpoint withdrawal date. Any withdrawal on or before this date will result in a "W". Any withdrawal after this date will result in a "WF", except for extreme circumstances which have been documented **prior to** the completion of the course. Once a course has been completed, the only valid reason for changing a grade is in the case of a factual error.

March 13 – 17: Spring Break

**Academic Honesty:** All students are expected to adhere to the standards contained in "A Culture of Honesty". Students are responsible for informing themselves about those standards before performing any academic work. In the case of suspected violations, procedures as outlined by the Academic Honesty Policy of the University of Georgia will be followed. This policy can be accessed through the internet at <http://www.uga.edu/vpaa/polproc/ahpol/main.html>

**General Information:** Students should behave in such a way that shows respect for everyone in the class. This behavior would include being in class and ready to begin the day's lesson on time, as well as not leaving the class before the end, except in the case of extreme emergencies.

Note: The prerequisite for Math 2110 is Math 2200. Also, credit for Math 2110 cannot be given if credit has already been received for Math 2210.

**Disclaimer:** The instructor reserves the right to change any of the details of this syllabus, as needed and upon notification to students.