

## Math 2110 Syllabus

Fall 2009

**Instructor:** Roy Segars  
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**Office Hours:** MWF 2:15-4:00 pm and by appointment

**Course Description:** The course will cover differential and integral calculus with an emphasis on business, economic, and social applications. Topics will include a brief review of differentiation, antiderivatives, differentials, indefinite integrals, separable differential equations, integration techniques, summation, the definite integral, Fundamental Theorem of Calculus, calculation of areas, Consumer's and Producer's Surplus, multivariable calculus, partial derivatives and applications, maxima and minima of functions of more than one variable, Lagrange multipliers, and matrix algebra and applications.

**Text:** *Introductory Mathematical Analysis 11<sup>th</sup> edition*  
Haeussler, Paul, & Wood

**Student Supplied Required:** TI-83 Plus Calculator

<b>Grading:</b>	Quizzes & Homework	10%
	3 in-class exams @ 20% each	60%
	Final Exam	<u>30%</u>
		100%

<b>Grading Scale:</b>	F < 60		
	D- < 62.5	D < 67.5	D+ < 70
	C- < 72.5	C < 77.5	C+ < 80
	B- < 82.5	B < 87.5	B+ < 90
	A- < 92.5	A < 100	

**Attendance Policy:** 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 A student who incurs an excessive number of absences may be withdrawn from a class at the discretion of the professor (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 *three unexcused absences*.

**Academic Honesty:** All students are expected to adhere to the Academic Honesty Policy of the University which may be found at the web site:  
<http://www.uga.edu/vpaa/polproc/ahpol/main.html>

**TEST DATES:**

Test 1 – Friday, Sep 25

Test 2 – Friday, Oct 16

Test 3 – Friday, Nov 13

Final -Monday, Dec 14, 12 – 3 PM

**Tentative SCHEDULE:**

<b>Week of</b>	<b>Monday</b>	<b>Wednesday</b>	<b>Friday</b>
<b>8/17</b>	11.1-11.2	11.4-11.5 & 14.1	17.1
<b>8/24</b>	17.2	17.3	17.4
<b>8/31</b>	17.5	17.6	17.6
<b>9/7</b>	Labor Day	17.7	17.7
<b>9/14</b>	17.7	17.8	17.8
<b>9/21</b>	17.8	Review	<b>TEST 1</b>
<b>9/28</b>	14.2	14.3	14.4
<b>10/5</b>	14.4	14.4	14.5
<b>10/12</b>	14.5	Review	<b>TEST 2</b>
<b>10/19</b>	14.6	14.7	14.9
<b>10/26</b>	14.10	14.10	Fall Break
<b>11/2</b>	14.11	14.11	15.1
<b>11/9</b>	15.1	Review	<b>Test 3</b>
<b>11/16</b>	6.1	6.2	6.2
<b>11/23</b>	Thanksgiving	Thanksgiving	Thanksgiving
<b>11/30</b>	6.3	6.4	6.5
<b>12/7</b>	Review	Reading Day	

**FINAL EXAM    Monday , Dec 14 12-3PM**

**NOTE:        The course syllabus is a general plan for the course; deviations may be announced to the class by the instructor as necessary.**