

# Calculus I

MATH 1610-123 / 1610-130  
Fall 2009

<b>Room:</b>	Davis 254	<b>Lecture:</b>	MWF 12:00-12:50pm
<b>Instructor:</b>	Steven Clontz		R 12:30-1:20pm (for 1610-123)
<b>Contact:</b>	<a href="mailto:steven.clontz@auburn.edu">steven.clontz@auburn.edu</a>		MWF 1:00-1:50pm
<b>Website:</b>	<a href="http://stevenclontz.com/class/">http://stevenclontz.com/class/</a>		T 12:30-1:20pm (for 1610-130)
<b>Office:</b>	Mell Hall 112	<b>Office hours:</b>	TR 1:30-3:30pm or by appointment

## Course Description

Limits and the derivatives of algebraic, trigonometric, exponential, and logarithmic functions. Applications of the derivative. Antiderivatives, the definite integral, and applications to area problems. The Fundamental Theorem of Calculus. (4 credit hours)

## Prerequisites

High school trigonometry and second year high school algebra, or equivalent.

## Textbook

The course textbook is *University Calculus* by Hass, et. al. This is the same textbook you will be using in Calculus II and Calculus III. No graded material will come from the textbook; however, suggested homework problems will come from the text. It is not necessary to bring your textbook to class.

## Grading

The course is graded on a 100-point scale, based solely on exam scores earned throughout the semester. Four Tests will be administered in addition to the Uniform Midterm and Final. Each exam is worth the following portion of the final grade:

- 0%: Lowest Test grade
- 10%: Second-lowest Test grade
- 20%: Second-highest Test grade
- 20%: Highest Test grade
- 20%: Uniform Midterm
- 30%: Uniform Final

Final grades are rounded up to the nearest integer, and letter grades are assigned as follows:

- 90-100: A
- 80-89: B
- 70-79: C
- 60-69: D
- 0-59: F

## Attendance

Lecture attendance will not factor into the final grade for this course. Attendance will be taken for the instructor's records.

Tests and the Uniform Midterm/Final cannot be made up without a university-approved excuse. Any excuses must be submitted by the date of the exam to be considered, excepting extenuating circumstances. Make-up exams must be scheduled and made up in a timely manner.

## Homework, Quizzes, and Tests

After each section covered in lecture, odd-numbered problems from the textbook will be assigned as homework. It is the student's responsibility to work these problems as needed for mastery of the material. Homework will not be collected; however, students are encouraged to ask questions on the homework in class and attend the instructor's office hours with any other questions they have.

Weekly in-class, open-note quizzes will often be given over that week's material, usually on Fridays. These quizzes will be reviewed in-class the same day, in order to give the student feedback on his or her progress. Quizzes will not be collected or graded, but left with the student for review.

In addition to the Uniform Midterm and Final, four Tests will be administered throughout the semester. Tests 1 and 2 will be held before the Uniform Midterm and Tests 3 and 4 will be held before the Uniform Final. These Tests are designed to both assess comprehension of the covered material and prepare the student for the Uniform Midterm/Final. As seen above, the lowest Test grade will be dropped, and the second-lowest Test grade affects the student's final grade less than the other two Tests.

## Uniform Midterm and Final Exams

This class is part of the Math Department's Uniform Midterm/Final Program. The Midterm and Final are required to compose 50% of your final grade, as seen above. In addition, the Midterm and Final will be scheduled in a place and time different from normal class meetings.

## Academic Honesty

Students are expected and required to conform to the expectations of integrity befitting a research university such as Auburn. Any work you turn in is to be your own. Cheating, copying, or plagiarizing will result in action by the University Honesty Committee. Failure of the class and expulsion for the university could follow. Refer to the Tiger Cub for more details.

## Cell Phones, Calculators, etc.

Cell phones and other noise-making devices must be silenced during lecture. Absolutely no electronic devices are allowed to be out during an exam. Usage of a cell phone or calculator during an exam will be considered as cheating and dealt with as explained above.

## Students Requiring Accommodations

Students with documented disabilities are entitled to reasonable accommodations. Students who need accommodations are asked to confidentially arrange a meeting before the end of the second week of classes, or as soon as possible if accommodations are needed immediately. To set up this meeting, please contact me by email at [steven.clontz@auburn.edu](mailto:steven.clontz@auburn.edu). Bring a copy of your Accommodation Memo and an Instructor Verification Form to the meeting. If you do not have an Accommodation Memo but need accommodations, please make an appointment with The Program for Students with Disabilities, 1244 Haley Center, 844-2096 (V/TT).

## Important Dates

Make a note of these dates for your records. Dates may be changed at the instructor's discretion, usually with at least a week's notice provided.

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| • August 17, 2009 (Monday)         | Classes begin  |
| • September 2/3, 2009 (Wed/Thurs)  | Test 1   |
| • September 4, 2009 (Friday)       | 15 <sup>th</sup> class day (last day to drop with no record on transcript) |
| • September 7, 2009 (Monday)       | Labor Day holiday (no class)   |
| • September 29/30, 2009 (Tues/Wed) | Test 2   |
| • October 5, 2009 (Monday)         | Uniform Midterm (8-9pm)  |
| • October 7, 2009 (Wednesday)      | Mid-semester (last day to drop with a W)                                   |
| • October 30, 2009 (Friday)        | Test 3   |
| • November 20, 2009 (Friday)       | Test 4   |
| • November 23-27, 2009             | Thanksgiving holidays (no class)   |
| • December 7, 2009 (Monday)        | Final day of classes   |
| • December 14, 2009 (Monday)       | Uniform Final (7-9:30pm)   |