

Math 251

Analytical Geometry and Calculus I

Spring 2010

Instructor: Evan Innerst

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Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 – 9:30	On Campus	On Campus	On Campus	On Campus	
9:45 – 11:00	On Campus	Math 811 22-118	On Campus	Math 811 22-118	
11:10 – 12:30	Office Hour	Office Hour	Office Hour	Office Hour	
12:35 – 1:45	Math 251 17-205	Math 251 17-205	Math 251 17-205	Math 251 17-205	
2:15 – 3:30	On Campus	On Campus	On Campus	On Campus	

Materials

Textbook: Calculus Early Transcendental Functions 3rd edition with a registration code for mathzone by Smith and Minton

Calculator: You will need a graphing calculator such as the TI-84 or TI-89

Coverage

We will be covering chapters 0 - 4. Topics will include Limits, Continuity, the Derivative, Techniques of Differentiation, Applications of Differentiation, and an Introduction to Integration.

Student learning outcomes (SLO's)

1. Interpret derivatives of functions from a numerical, graphical, and symbolic point of view.
2. Compute derivatives numerically, graphically, and symbolically for explicitly defined functions.
3. Apply derivatives to related rates and optimization problems.

Types of Assignments

Homework: Homework will be assigned and completed on www.mathzone.com. Assignments for a given week will be due by noon on Monday of the following week. You may ask for two 3 –day extensions during the semester

Quizzes: There will be a short quiz at the end of class each Thursday. Each quiz will be worth 5 points. There are no makeup quizzes, but the lowest score will be dropped.

Hours by Arrangement and Portfolio Problems: To meet the hours by arrangement requirement you will work on a set of problems in the learning center. Your work on these problems will be put together into a portfolio to be collected on Thursday May 13th. The portfolio will be worth 50 points and be graded on accuracy, neatness, completeness, organization, and the completion of at least 16 hours in the learning center. Late portfolios will be worth a maximum of 40 points.

Tests: There will be 4 tests. After each test you will be given an opportunity to correct the problems you missed and earn back some of the points that you missed. Each test is worth 100 points.

Test	Sections covered
Test 1	Chapter 0
Test 2	Chapter 1
Test 3	Chapter 2
Test 4	Chapters 3
Test 5	Chapter 4

Missed tests: If you miss one test there will be a comprehensive makeup test given at the end of the semester. If you miss a second test, then the score for that test is a zero. No other makeup tests will be given. If you know you will be absent, then you can arrange to take a test early.

Final Exam: The final exam is comprehensive, worth 200 points, and scheduled for Monday May 24th 11:10 – 1:40. There is no makeup for the final.

Grades

Grades are based on the percentage earned

90 – 100%	A
80 – 89%	B
70 – 79%	C
60 – 69%	D
0 – 59%	F

Policy on late adds and incompletes: I will not add anyone after February 1st. Incompletes will only be granted for serious well documented reasons and will only be given if the student has completed at least 75% of the course with a grade of C or better.