

Math 161.01H, Accelerated Calculus
Autumn Quarter 2011
Information

Instructor: Mike Davis

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Office hours: MWF 11:30 AM, or by appointment.

Class time and place: Daily, 1:30 - 2:18 PM, in Caldwell Lab 0177.

Call number: 22040

Webpage: <http://www.math.osu.edu/~mdavis/courses/H161/Math%20161.01H.html>

Text: Simmons, *Calculus with Analytic Geometry* (second edition).

Chapters covered: We will cover Chapters 2 through 11 and Appendices A.2, A.3, A.4 and A.5. This is a lot of material. In the standard first year calculus course it takes two quarters to cover it. So, the pace will be rapid. However, since you all should have had some calculus before, much of it will be a review. We will begin with the definition of a derivative. During the second week we will cover some theoretical material on limits (Sections 2.5, A.2 and the theorems in Sections 2.6, A.3, A.4). Most of you will find this part to be difficult going. During the third and fourth weeks we will review differentiation (Chapters 3 – 4). The last 6 weeks will be spent on integration (Chapters 5 – 10).

Tests: There will be 3 exams and a final. The approximate dates for the exams are given below. The date of the final is set in stone, the dates are not.

	Approximate date	Material covered
First exam	10/14	Chapters 2, 3, 4.1, 4.2 and Appendices A.2, A.3, A.4
Second exam	11/03	Chapters 4.3 - 4.6, 5, 6, 7, Appendix A.5
Third exam	11/21	Chapters 8, 9, 10.2 - 10.4
Final exam	Tu., 12/06 1:30 - 3:18 PM	comprehensive & the rest of Chapter 10

No class on: November 11 (Veteran's Day) and November 24–25 (Thanksgiving).

Quizzes: There will be 1 or 2 quizzes per week. These will take place during the last 5 minutes of class. The quiz will usually consist of one easy problem. Each quiz will be worth 5 points. Each. There will be no make-up quizzes, but your 2 lowest quiz scores will be discarded.

Homework: There will be 11 homework assignments, collected once or twice a week as indicated on the back of this page. For each assignment the grader will pick three random problems to grade, each worth 2 points.

email: I may communicate with you via e-mail concerning scheduling of tests and quizzes, homework assignments, etc.

Grading: The exams will be worth 100 points each, the final 200 points. The homework and quizzes combined will be worth approximately 150 points. Your grade will be determined by your total number of points.