

MAT-21A: Calculus

Fall 2017

Instructor: Adam Jacob

Basic Information:

- Meeting time: MWF 9:00-9:50am
- Location: HARING 2205
- Office hours: Tu 3:00-4:00pm, Wed 10:30-12:30pm
- Office: MSB 2111
- Contact email: ajacob@math.ucdavis.edu
- Textbook: *Thomas' Calculus Early Transcendentals*, 13th Edition by George B. Thomas, Maurice Weir, and Joel Hass; Addison Wesley Publishers.

Prerequisites:

Two years of high school algebra, plane geometry, plane trigonometry, and analytic geometry; Must satisfy the Mathematics Placement Requirement.

Course Description:

This course serves as an introduction to differential calculus, and covers a variety of topics that relate to mathematics, physics and engineering. We will primarily focus on understanding the rate of change of a function, and applications of this concept. For a detailed list of topics covered, please visit the course syllabus on the UC Davis mathematics homepage.

Quizzes and Homework:

You will take one 15 minute quiz every other week, given during your discussion section.

Homework will be assigned weekly, and will be completed online using WeBWork.

Exams:

There will be two midterms and one final exam. You will not be able to make up any of these exams at another time, so on the first day of class please make they fit into your schedule.

Midterm 1: Friday, October 20th, in class.

Midterm 2: Friday, November 17th, in class.

Final: Monday, December 11th, 8:00-10:00pm.

Grading:

- Homework: 10%
- Quizzes: 15%
- Midterm 1: 20%
- Midterm 2: 20%
- Final: 35%