

Math 20E: Fundamentals of Calculus II

TTh 2:00 — 3:15pm, Votey 254

Text: Calculus: Applications and Technology, by Tomastik

Topics: We will cover the following materials from the book (Chapter 6, 7, 8, 9, 11):

- Integration (Ch. 6)
- Additional topics in integration (Ch. 7)
- Functions of several variables (Ch. 8)
- The trigonometric functions (Ch. 9)
- Probability and calculus (Ch. 11)

Depending on time availability, we may cover some sections in Ch. 10 (Taylor series) as well.

Calculator: You will need a TI-83, TI-83 Plus, or TI-83 Plus Silver Edition for this course.

I will assume that you will have a calculator during tests and quizzes. There will be NO sharing of calculators during tests.

Instructor: Prof. Jianke Yang

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Office hours: TTh, 1:00 -- 2:00pm. Additional time by appointment.

Help sessions: to be announced

- (1) Mathlab
- (2) Additional help:

Homework: Assignments will be given in each class (almost). They will not be collected, but doing them carefully will absolutely help you do well in the exams.

Exams: There will be four in-class tests (after Ch. 6, 7, 8, and 9 respectively). The tests will be 100 points each, and announced at least four days in advance. Only the three best tests will be used toward grading. In addition, there will be a final (cumulative) exam.

Grading: three best tests: 75% (25% each); final exam: 25%.

Make-up Tests: Make-up tests are given only if

1. a **compelling** reason is **documented** and presented, and
2. your request is made and approved by this instructor at least one day before the test takes place.

Final exam time: Tuesday, Dec. 11, 3:30-6:30pm.

Important dates: Add/drop deadline: Sep. 10

Withdraw deadline: Oct. 26

Last day of this class: Dec. 6 (Thursday)