

Math 156 Applied Honors Calculus II Fall 2024

**Instructor:** Robert Krasny, 4830 East Hall, 763-3505, krasny@umich.edu

**Section 2:** MTuWF 10am-10:50am, 4096 East Hall

Math 156 is a calculus 2 class designed for STEM majors (though all majors are welcome). The course develops computational skill and conceptual understanding with emphasis on the science applications of calculus.

**Office Hours:** Wed/Thurs/Fri 5-6pm, or email me for an appointment in-person or on Zoom, or drop in whenever my office door is open

**Website:** In addition to the Canvas site, material is also posted at an **outside website**.

**Prerequisite:** score of 4 or 5 on the Advanced Placement AB or BC calculus exam; if you don't have the prerequisite, please discuss it with me.

**Textbook:** There is no required textbook; lecture notes will be posted on Canvas.

For supplemental reading, the following options are recommended.

1. "Calculus II", by Jerrold Marsden and Alan Weinstein, **from the Caltech library**
2. "Calculus", by James Stewart, cheap used copies are available from online booksellers
3. your high school calculus textbook

**Homework:** There will be weekly hw sets. Students may discuss the problems with each other (and this is encouraged), but each student should write up their own solutions, neatly and legibly. The solutions should be scanned and uploaded to Gradescope in Canvas. Solutions will be available after 4pm on the due date for short-term borrowing from the Askwith Media Library on the 2nd floor of the Undergraduate Library.

### Course Grade

homework = 25%

1st midterm exam = 20%, Wed, Sept 25, 6-7:30pm

2nd midterm exam = 25%, Wed, Nov 6, 6-7:30pm

final exam = 30%, Thurs, Dec 12, 8-10am

### Science Learning Center Study Groups

Each group has 8-12 students who meet for two hours weekly with a student facilitator who took the class before. Participation is voluntary, but many students find the groups helpful. The date for online registration **will be announced here**. If the group you want is full, join the waitlist and another group may be opened.

### Advice to Students

1. Questions are encouraged; if something is unclear, please ask me a question.
2. Review the lecture notes every few days; make a list of anything that is unclear and ask me about it in class or office hours.
3. On homework and exams, show your work and explain the steps clearly; getting the right answer is good, but you must explain your work clearly to receive full credit.

**Class Policy:** Please minimize distractions in class - no cell phones, web surfing, eating, reading newspapers, etc. - thank you!