

Math 156 Applied Honors Calculus II Fall 2022

Math 156 is a 2nd semester calculus class for STEM majors. The course develops computational skill and conceptual understanding with emphasis on the science applications of calculus.

Instructor: Ruby Kim, rshkim@umich.edu

Section 5: MTuWF at 12-12:50pm

Class Room: MWF in 2866 EH, Tuesdays in 1096 EH

Office Hours: MTuF at 1-2pm in 4843 EH, or email me for an appointment in-person or on Zoom

Website: In addition to the Canvas site, material is also posted at the following site.

<http://www.math.lsa.umich.edu/~krasny/math156.html>

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, available at the Caltech library

<http://www.cds.caltech.edu/~marsden/volume/Calculus/>

2. "Calculus", by James Stewart, any edition is ok and cheap used copies are available from online booksellers.

3. your high school calculus textbook

Homework: There will be weekly hw sets due on Tuesdays at 4pm. Students may discuss the problems with each other, but each student should write up their own solutions, neatly and legibly. 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. The solutions should be scanned and uploaded to Gradescope in Canvas. Solutions will be available on Tuesdays after 4pm 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%, Wednesday, September 28, 6-7:30pm

2nd midterm exam = 20%, Wednesday, November 9, 6-7:30pm

final exam = 35%, Wednesday, December 14, 8-10am

Science Learning Center Study Groups

Each group has 8-13 students who meet for two hours weekly with a facilitator who took the class before. Participation is optional, but most students find the groups helpful. Online registration starts on Thurs Sept 8 at 9am. If the group you want is full, join the waitlist and another group may be opened. <http://www.lsa.umich.edu/slc/study-groups/join.html>

Services for Students with Disabilities (SSD): If you think you need an accommodation for a disability, please let me know at your earliest convenience. Some aspects of this course, the assignments, the in-class activities, and the way the course is usually taught may be modified to facilitate your participation and progress. As soon as you make me aware of your needs, we can work with the Office of Services for Students with Disabilities (SSD) to help us determine appropriate academic accommodations. SSD (734-763-3000; <http://www.ssd.umich.edu>) typically recommends accommodations through a Verified Individualized Services and Accommodations (VISA) form. Any information you provide is private and confidential and will be treated as such.