

Math 156 is a 2nd semester calculus class for engineering and science students. The course develops computational skills and conceptual understanding, with emphasis on how calculus is used in applications.

Sections

3: MTuWF, 8am-9am, 2062 Palmer Commons

Instructor: Ling Xu, 4851 East Hall, lingxu@umich.edu

Office Hours: Wed 3-5pm, Fri 1-2pm

Course Website: www.lingxu-human.com/teaching.html
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 for Math 156; instead, lecture notes will be provided on the course website. For supplementary reading, the following options are recommended.

1. "Calculus II", by Jerrold Marsden and Alan Weinstein, published by Springer
note - this book is available from the following sources:
 - a) local bookstores
 - b) cheap copies are available from online booksellers
 - c) a PDF is available to enrolled students (go to Canvas)
2. "Calculus", by James Stewart, published by Cengage. Any edition is ok and cheap used copies are available from online booksellers.
3. the student's high school calculus textbook

Homework

Homework is assigned and collected each week on Tuesday. Students may discuss the problems with each other, but each student should write up and submit their own solutions. The writing should be neat and legible, with the sheets stapled together. Solutions will be available on Tuesday afternoon 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, October 3, 6:15-7:45pm
2nd midterm exam = 20%, Wednesday, November 14, 6:15-7:45pm
final exam = 35%, Friday, December 14, 8-10am

Advice to Students

1. Questions are encouraged - if something is unclear, please ask a question.
2. When you review the lecture notes, make a list of anything that's unclear and ask me about these points either 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 - no cellphones, web surfing, eating, reading newspapers. Thank you!