

Math 16B (42771) Information Sheet

MW 10:30 – 11:45 am

Fall 2019

Instructor: David Ross
Office hours: MTWTh 11:45 to 12:45 pm in G 201/202
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Text: **Calculus & Its Applications**, by Goldstein et. al. 12th ed. But note that any edition is fine for study purposes, and a paper textbook is not required; you will have access to an electronic version of the text when you create your MathXL account, as described further below.

We'll cover material from chapters 7 through 12

Your final grade is determined by the following scheme:

15%	Homework
35%	Quizzes (about every two or three weeks)
25%	Midterm Exam
25%	Final Exam

Homework will be done online and handled by MathXL - see the MathXL "How to Register" sheet on the back of this page for instructions on how to log in. Homework will be due as described in MathXL, or in class, whichever date is later. You may continue working on homework after the due date, but a 25% scoring penalty is applied to any problem attempted after the due date. Extensions will not be granted. The two lowest homework scores will be dropped before calculating your homework average.

The quizzes will contain problems similar to problems in the homework. There will be no make-up quizzes or exams given. The lowest quiz score will be thrown out and replaced by the next lowest quiz score. For example, if all quiz scores were 92, 85, 87, 89, and 63, the average quiz score would be computed using 92, 85, 87, 89 and 85 (replacing the 63). If a quiz is missed, its score would be considered 0. It is the student's responsibility to drop the course, if desired.

Academic honesty is expected of all students. You are encouraged to work together on homework assignments, but for all quizzes and exams (including take-home) you are to work independently. For a quiz or exam, sharing any amount of your work or using any amount of someone else's work is considered *cheating*. Any student caught cheating should expect an F on the associated assignment; if the act is repeated one more time, the student should expect an F in the course.

Cell phones: Please either turn them off or set to vibrate mode. A ringing cell phone in class - or worse, answering a call in class - is not only rude behavior, it disturbs the class and is therefore a violation of the student code of conduct, for which you can be expelled from the course. *Using a cell phone/iPod or similar device during a quiz or exam carries the same penalties as cheating.*

Internet: Please refrain from accessing the internet unless you are asked to go online by me. Typing and clicking the mouse disrupts your neighbors and the lecture.

Student Learning Outcomes:

1. **Applications**: Determine solutions to optimization problems, for example find maximum profit from a combination of labor and capital, by applying the method of Lagrange multipliers.
2. **Algebra**: Compute derivatives and anti-derivatives of trigonometric functions, and solve linear differential equations.
3. **Graphs**: Analyze the graphs of multivariable functions for maximum/minimum problems – be able to report the max/min of the function as well as the combination of inputs that correspond to the max/min.



How to Register and Enroll in Your Course

Welcome to MathXL! Your instructor has set up a MathXL course for you.

The course name is: Math 16B Fall 2019

It is based on this textbook: *Goldstein: Calculus and Its Applications, 12e*

To join this course, you need to register for MathXL and then enroll in the course.

1. Registering for MathXL

Before you begin, make sure you have the access code that comes with your MathXL Access Kit.

To register or buy access, go to www.mathxl.com, click the **Student** button in the Register section, and then follow the instructions on the screen.

2. Enrolling in your instructor's course

After registering, log in to MathXL with your username and password. To enroll in this course, enter the following Course ID:

The Course ID for your course is: XL3C-710Z-101Y-8NA2

Need more help?

To view a complete set of instructions on registering and enrolling, go to www.mathxl.com and visit the Tours page.