

Calculus

MTuThF
1:30-2:20 (SCTR-155)

Robert (Bob) Bosch
King 205 440-935-6090
rbosch@oberlin.edu

Office hours

M–Th 4:30-5:30 and by appointment.

Course outline

We will cover most of chapters 1 through 6 of Stewart's *Calculus* (7th edition).

Homework/Quizzes

On a weekly basis, I will assign both practice problems and collected problems. Most of the practice problems will be odd-numbered problems from Stewart. Answers to the odd-numbered problems can be found in the back of the book. On most Thursdays, I will administer quizzes. Most of the quiz problems will come from the practice problems, but sometimes in slightly modified form. Each quiz will contain one or two short problems and will last for 10-15 minutes.

On most Fridays, I will collect your solutions to the collected problems. To receive full credit, you must show your work, and your work must be neatly and carefully written.

- It is extremely important that you attempt to do as many of the practice problems as you can. It is impossible to learn mathematics without doing problems! (Can you become a good tennis player just by watching U.S. Open matches on television?)
- This class is a full course. Accordingly, I expect you to devote about eight hours per week outside of class to looking over your notes, reading the text, and working on homework problems. Some students try to put in their eight hours on the day before the quiz, and these students tend to struggle. Other students try to put in an hour or two each day, and these students tend to do quite well. Is this surprising?
- I encourage you to work on the homework problems in groups, but I require that you submit your own write-up. If someone in your group provides a key idea, give them credit for it by citing their contribution in your write-up.

- I suggest that you keep all of your preliminary work—your “scrapwork”—in a single notebook. I believe that it is worthwhile to transform your preliminary work into a final document. Again, neatness and style will count!
- Again, answers to the odd-numbered problems are in the back of the book.
- Please make use of my office hours! I’m also available at other times by appointment.
- E-mails are fine too. I’ll try to respond to each message within 24 hours.

Exams

There will be three exams and a final. On each exam, you will be allowed an 8.5" × 11" formula sheet. Otherwise, the exams will be closed-book. No calculators will be allowed. The exams have been tentatively scheduled for September 27, October 31, and November 26. The final will be held at 7:00 pm on December 19.

Honor Code

Writing and signing the Honor Pledge on your homework asserts that the write-up is yours and that you’ve given proper credit to everyone who assisted you. Writing and signing the Honor Pledge on a quiz or an exam asserts that all of the work on the quiz or exam is yours and that you received no outside assistance.

Grades

The total of your homework and quiz scores will be worth 15% of your grade. Each exam will be worth 20%, with the exception of the final, which will be worth 25%.

Phones

When you come to class, please silence your cell phones. Setting them on vibrate is fine. If your phone rings in class, you will be expected to bring food for the entire class the next time we meet.