

**MATH 124-H: CALCULUS W/ ANALYTIC GEOMETRY
(HONORS SECTION), FALL 2014**

Lecturer: Dr. Jonah Ostroff, Padelford C-548, ostroff@uw.edu

TA: Josh Swanson, jps314@math.washington.edu

COURSE DESCRIPTION. This is a first-quarter calculus course, focused on differentiation and its applications, including optimization, related rates, and curve sketching.

CLASS MEETINGS. Mondays, Wednesdays, and Fridays, 10:30 AM – 11:20 AM, in Denny Hall room 216.

TEXTBOOK. *Calculus* by James Stewart. We're using a version that's been customized for UW. There are two good ways to purchase the text: a physical version may be bought from the bookstore, or an electronic version may be purchased at the following address:

<http://www.cengagebrain.com/micro/uwmathcalc>

Both of these options will come bundled with a WebAssign code, which you'll need to access the homework. The code will be valid for future classes that also use this textbook, if you continue on in the calculus sequence. Since a WebAssign code is almost as expensive as the textbook if you buy it alone, I would not recommend paying for a used copy of the book.

GRADES. Your grade in the course will be based on the following:

10% Projects

10% Homework

20% Lower midterm score

30% Higher midterm score

30% Final exam

LECTURES. Lectures are held on Mondays, Wednesdays, and Fridays. You are required to know all the material presented in lecture, but you are not explicitly required to attend, so you don't need to get permission for absences. If you miss class, you should get notes from another student.

HOMEWORK. Calculus is not a spectator sport (despite my petitions to the International Olympic Committee). The best way to improve is by *doing*, not *watching*, so homework is crucial. It's also the most time-consuming part of the course, so plan accordingly.

In general, homework assigned Monday will be due on Thursday evening, and homework assigned Wednesday or Friday will be due on the following Tuesday evening. The first few homework assignments have a slightly longer window.

Homework will be submitted online through WebAssign:

<https://www.webassign.net/washington/login.html>

After a two-week grace period at the start of the quarter, you'll need an access code to use WebAssign. This should come bundled with your textbook.

Most of the problems on WebAssign are too complicated to solve in your head, so you'll want to use scratch paper to work out the answers. Use this time to practice staying organized as you solve problems, so you're ready for the exams.

Late homework will not be accepted, but you may miss a total of 10% of the homework points over the course of the quarter without affecting your final grade.

QUIZ SECTIONS. Quiz sections will be held on Tuesdays and Thursdays. Thursday quiz sections are 50 minutes long, and will mostly involve reviewing material for the homework or exams. Tuesday quiz sections are 80 minutes long and will usually involve some other activity. This is also where you take your midterms.

PROJECTS. A few times per quarter, you'll complete projects involving in-depth problems. You'll have a few weeks to do each project.

EXAMS. There will be two midterm exams and one final exam.

- Midterm #1: Tuesday, October 21st (during quiz section).
- Midterm #2: Tuesday, November 18th (during quiz section).
- Final Exam: Saturday, December 6th, 1:30–4:20 PM (room TBA).

Exams are cumulative (so be prepared to encounter material from earlier in the quarter). Makeups will not be given. If an unavoidable conflict arises, contact me *immediately*.

You may bring a *single, hand-written*, double-sided 8.5" × 11" sheet of notes to each exam.

You may not use a calculator on any exam. A scientific calculator might be useful sometimes on the homework, but I wouldn't recommend buying a new one.

OFFICE HOURS. I've got two office hours per week, and they serve different purposes. You can always drop by during this time without making an appointment. If my normal office hours don't work for you, send me an email and we can find another time to meet.

Mondays, 3:00 – 4:30 PM: Group office hours.

Thursdays, 2:00 – 4:00 PM: Individual office hours.

Monday office hours are for going over upcoming homework problems or preparing for the next exam, and I'll let as many people into my office as can fit there. If you'd prefer to talk one-on-one, you should come on Thursday instead.

WEBSITES. Most of this information, along with lecture notes, is also available at the course website:

www.math.washington.edu/~ostroff/courses/2014/math124-aut14

You'll also find a class discussion board at catalyst.uw.edu, which is a great place to ask questions about material. And for more general information about Math 124, you can use the department's resource page at www.math.washington.edu/~m124/.

OTHER RESOURCES. The Math Study Center (B-014 in the Communications building) is open 9:30 AM–9:30 PM on Monday–Thursday, 9:30 AM–1:30 PM on Friday, and 2:00 PM–6:00 PM on Sunday. Other resources include CLUE and the IC. If you'd like more one-on-one tutoring, the Math Department maintains a list of local private tutors that you can hire at <http://www.math.washington.edu/Undergrad/tutorlists.php>.

ACADEMIC HONESTY. I take cheating very seriously, and will report any instances to the department of Community Standards and Student Conduct, and give zeroes accordingly.

STUDENTS WITH DISABILITIES. The University of Washington is committed to providing access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation, contact the Disability Services Office at least ten days in advance at: 206-543-6450/V, 206-543-6452/TTY, 206-685-7264 (FAX), or dso@u.washington.edu.