MATH 124-G: CALCULUS W/ ANALYTIC GEOMETRY, FALL 2015

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

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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, 12:30 PM – 1:20 PM, in Bagley Hall room 154.

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/course/site.html?id=1-1VJ41GT`

Both of these options will come bundled with a WebAssign code, which you'll need to access the homework. The code will also be valid for Math 125 and Math 126. Since a single-term 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:

- **5% Worksheet Participation**
- **10% Homework**
- **20% Lower midterm score**
- **30% Higher midterm score**
- **35% 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 check the online notes and discuss what you missed with a classmate.

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 consist of reviewing course content and homework problems. Tuesday quiz sections are 80 minutes long and will usually involve worksheets. This is also where you take your midterms.

WORKSHEETS. Some Tuesday quiz sections feature worksheets, which you will complete and discuss in groups. They are available on the course website and **you should print them out and bring them to quiz section.** Participation will account for 5% of your grade.

EXAMS. There will be two midterm exams and one final exam.
- Midterm #1: Tuesday, October 27th (during quiz section).
- Midterm #2: Tuesday, November 24th (during quiz section).
- Final Exam: Saturday, December 12th, 1:30–4:20 PM (Kane 220).

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 use an **orange TI-30X IIS** on exams. Equivalent scientific calculators (for example, a pink TI-30X IIS) will be allowed, but if you're buying a new calculator, please get the orange one from the bookstore. It's cheap and it will make the TA's job easier. Calculators with graphing, differentiating, integrating, or algebraic capabilities are not allowed.

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.

Wednesdays, 2:00 − 3:45 PM: Individual office hours.

Thursdays, 2:00 − 4:00 PM: Group office hours.

The distinction is that if you want to talk to me one-on-one on Wednesdays (for example, if you have questions about your grade), I'll ask other students to wait in the hall.

WEBSITES. Most of this information is also available at the course website:
> www.math.washington.edu/~ostroff/courses/2015/math124-aut15

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.

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.