# MATH 126-F: CALC. W/ ANALYTIC GEOMETRY III, WINTER 2020

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**COURSE DESCRIPTION.** This is a third-quarter calculus course, covering a rather diverse range of topics: 3D curves and surfaces, vector calculus, polar coordinates, multi-variable functions, partial derivatives, optimization, double integrals, and Taylor series.

**CLASS MEETINGS.** Mondays, Wednesdays, and Fridays, 3:30 PM – 4:20 PM, in Savery Hall room 260.

**TEXTBOOK.** *Multivariable Calculus* by James Stewart. We're using a version that's been customized for UW, but you may also use Stewart's *Calculus: Early Transcendentals, Eighth Edition.* The cheapest online option is available at the UW Bookstore or
`https://math.washington.edu/webassign`
If you've taken a calculus class at UW before, then you probably already have a WebAssign code and access to the online text. If you'd like a physical copy, though, you might have to buy a new book. Check to see whether the version you have contains chapters 12–15.

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

   5% **Practice problem attendance**
 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 can also watch the lecture on Panopto. Lecture notes will be posted on the course website.

**HOMEWORK.** In general, homework from material covered on Monday will be due on Thursday evening, and homework from material covered Wednesday or Friday will be due on the following Tuesday evening.
    Homework will be submitted online through WebAssign:
`https://www.webassign.net/washington/login.html`
    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. Despite the name, you won't actually be taking quizzes there. Instead, you'll be discussing the material in class and reviewing homework problems and old exams. On most Thursday quiz sections you'll also try a few practice problems, and then discuss the answers. Attendance during these Thursday sessions will count towards a small part of your grade, but you have one excused absence.

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

- Midterm #1: Thursday, Feb. 6th (during quiz section).
- Midterm #2: Thursday, Feb. 27th (during quiz section).
- Final Exam: Saturday, Mar. 14th, 5:00–7:50 PM in PAA (room to be announced).

Exams are cumulative, but the focus will usually be on new material. 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 also use a TI-30X IIS on exams.

**ONLINE FORUM.** Our online forum, Piazza, is a great place to ask questions about the material. Active participation in the forum will earn you a small number of extra credit points applied to your final grade. Here's a link, and the access code is **mathmathmath**:

piazza.com/washington/winter2020/math126fg

**OFFICE HOURS.** I've got three office hours per week:

**Mondays, 1–3 PM**    **Tuesdays, 1–3 PM**    **Thursdays, 10 AM–12 PM**

These are times when you can drop into my office (Padelford C-328) *without* making an appointment. I'll just be sitting there waiting for people to come by, so please attend if you have any questions! If these hours don't work for you, send me an email to make an appointment for another time.

The TA will also be holding office hours, at a time to be determined.

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

www.math.washington.edu/~ostroff/courses/2020/math126-win20/

General information about Math 126 is available on the UW course website:

https://sites.math.washington.edu/~m126/

**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.

**RELIGIOUS ACCOMODATIONS.** Washington state law requires that UW develop a policy for accommodation of student absences or significant hardship due to reasons of faith or conscience, or for organized religious activities. The UW's policy, including more information about how to request an accommodation, is available at Religious Accommodations Policy. Accommodations must be requested within the first two weeks of this course using the Religious Accommodations Request form.