

Calculus with Analytic Geometry III

Math 126 A&B; Spring 2012

Instructor: Dr. Jennifer L. Taggart

Office: Padelford C-334

e-mail: taggart@math.washington.edu (specify **Math 126** in all correspondence)

Course Website: <http://www.math.washington.edu/~taggart/m126>

Office Hours: M 2:30-4:00, W 2:30-4:30, or by appointment

Text: *Multivariable Calculus* by James Stewart (this is a custom text for UW — you may also use *Calculus: Early Transcendentals, seventh edition* by Stewart)

Other Required Materials: During the last few weeks of the quarter, will we be using a set of notes on Taylor polynomials and Taylor series. You will be expected to download these notes from the course website.

Course Content: Math 126 covers a collection of somewhat diverse topics: vectors and vector functions, polar coordinates, calculus on vector functions, dot products and cross products, lines and planes, curvature, multi-variable functions, partial derivatives, optimization, tangent planes, double integrals, Taylor polynomials and Taylor series.

Math Study Center Information: The Math Study Center (located in Communication B-014) is a great place for students to work on math, WHETHER OR NOT THEY NEED HELP. We are not a tutoring center in the traditional sense. We provide a comfortable place and a supportive atmosphere for students to come together and study, in groups or individually. We have on staff a number of tutors (both graduate student TA's and advanced undergraduates) who will sit down with students and answer questions to help them get unstuck. We do not provide long blocks of uninterrupted one-on-one tutoring. Textbooks, calculators and other study materials are available to be checked out for in-room use.

Grading: Your grade will consist of:

Homework	10%
Exam I	27%
Exam II	27%
Final Exam	36%

Attendance: We will not take attendance during lectures and quiz sections. However, you are responsible for the information covered in **all** class sections. In particular, your TA will be presenting some material that will not be covered during lecture. If you miss lecture or quiz section, get the notes from a colleague.

Homework: Homework assignments will be assigned and collected via Webassign. Homework will generally be due at 11:00 p.m. on Tuesdays **and** Thursdays.

Exams: You will be allowed to use a scientific calculator and one 8.5×11 sheet of **handwritten** notes for the exams. Graphing calculators and other electronic devices will not be allowed (e.g. no cell phones, no laptops, no Palm Pilots). You may not share a calculator nor a note sheet with another student on an exam.

Exam Dates:

Exam I	Thursday, April 19	in quiz section
Exam II	Thursday, May 17	in quiz section
Final Exam	Saturday, June 2	1:30–4:20 p.m., place TBA

Make-Ups: Extensions and extra submissions on homework will not be given under any circumstances. There will be a certain number of *grace points* on homework, meaning you may miss that number of homework points and still receive a “perfect” score on homework at the end of the quarter. (The exact number of grace points will depend on the total number of homework points offered during the quarter and will be at least half of the average assignment value.)

In the case of observance of religious holidays or participation in university sponsored activities, such as debate or athletics, arrangements must be made at least one week in advance for exams. You will be required to provide documentation for your absence.

Make-up exams will not be given. If you miss an exam due to unavoidable, compelling, and well-documented circumstances (e.g., illness, transportation emergency), your final exam may be weighted more heavily. **Contact Dr. Taggart immediately if one of these circumstances arises.**