

MATH 126 C: Calculus III (summer quarter, 2018)

Instructor: Yiran Wang

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Office Hours: MW 1:30pm-3:30pm or by appointment.

Textbook: *Multivariable Calculus* by James Stewart (custom text for UW). You may purchase a hard copy of the textbook at the bookstore or use the electronic version that comes with Webassign. In the last few weeks of the course, we will use a set of *notes on Taylor series*, which will be posted on the course webpage.

Course Content: We cover a collection of topics from Chapter 12 to Chapter 15 of the book and the Taylor series note: 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.

Homework: Homework will be assigned and collected via Webassign. Homework will generally be due at 11:00 pm on Tuesdays and Thursdays.

Exams: There are two midterm exams and one final exam scheduled below:

- Midterm exam 1: Thursday July 12th, in class.
- Midterm exam 2: Thursday, August 2st, in class.
- Final exam: Friday, August 17th, in class.

You can use one 8.5×11 sheet notes (double sided) and a TI-30X IIS scientific calculator for the exams. Other electronic devices (e.g. cell phones, laptops, tablet computers) are also prohibited. You may not share a calculator nor a note sheet with another student on an exam.

Grading: Your grade consists of

Category	Weights
Homework	15%
Midterm 1	25%
Midterm 2	25%
Final	35%
Total	100%

Make-ups: Extensions and extra submissions on homework will not be given under any circumstances. You may miss up to 10% of the total number of homework points during the quarter without penalty to your grade. In the case of observance of religious holidays or participation in university sponsored activities, 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 a midterm exam due to unavoidable and well-documented circumstances, your final exam may be weighted more heavily.

Advices: The best way to succeed in this course is to keep up with the lectures and work out the homework assignments by working with others, and by asking questions when you are at all uncertain of your understanding of the material. Please don't hesitate asking questions to your TA or instructor. The Math Study Center is also a great place to get help. They will open on Tuesday, and then after that Mon-Thur each week from 11am - 5pm in the summer quarter.