

MATH 136: CALCULUS III

GENERAL COURSE INFORMATION

Instructor: Dr. Davis Doherty
Office: Bannan 216
Office Hours: M 12-3, Th 12-2, or by appointment
Office Phone: x2511
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Text: *Calculus, 5th Edition*, by James Stewart

Course Web Site: <http://fac-staff.seattleu.edu/dohertyd/web/Math136>

COURSE DESCRIPTION

This course is a hodge-podge of topics. We shall cover infinite sequences and series, various applications of integration, alternate coordinate systems, vectors and vector-values functions, and parametric equations for curves. But not necessarily in that order.

My expectation from you is a good-faith effort in the class, regular attendance, and completion of the assigned work. In addition, I hope that you will ask questions – *lots* of questions. I try to create a laid-back atmosphere in my classroom, but I do need to maintain a minimum pace in the class to get through the required material. As such, I will trust you to speak up if you start to become lost, either in class or during my office hours.

HOMEWORK

I consider homework to be the most important component of learning mathematics – you learn more from actually doing problems than from listening to me. Assignments will be posted on the class website. There will be two assignments each week, usually due Friday and Tuesday, one of which will be (partially) graded; the other will receive a credit/no credit mark. At the end of the quarter I drop your lowest graded homework score.

QUIZZES

Quizzes will be given close to weekly, on Fridays (except for weeks when midterm exams are scheduled). The quizzes should be very similar to the homeworks, and thus shouldn't necessitate additional studying. At the end of the quarter I drop your lowest quiz score.

EXAMS

There will be two midterm exams in addition to the final exam. Expect the exams to be more difficult than quizzes and homeworks – I aim to test the depth of your understanding of the material.

GRADES

Course grades are determined as follows:

- 15% Homework
- 15% Quizzes
- 40% Midterms
- 30% Final Exam

There will be little or no opportunity for extra credit in this class.

ABSENCES AND LATE HOMEWORK

Homework assignments turned in during the class meeting following the due date will receive partial credit only. If you know in advance you will be absent, please contact me to discuss turning in homework or making up a missed quiz.

EXTRA HELP

Please don't let yourself fall behind in your understanding. Come ask me questions during office hours, or get homework help in the Math Lab.

TENTATIVE COURSE SCHEDULE

Week	Textbook Sections
Weeks 1-4	12.1–12.12
Midterm 1 – sequences and series	April 20
Week 5	9.1–9.3
Week 6/7	11.1–11.6
Week 8/9	13.1–13.7
Midterm 2 – geometric topics	May 18
Week 10	14.1–14.3
Final Exam	Thursday, June 7, 12–1:50 (9am section)/Wednesday, June 6,