

MAT 2030 SEC 007 WINTER 2010

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This is the third semester of Calculus, covering Multivariate Calculus. The main focus of the course is on functions of several variables and vector functions: differentiating them, integrating them and applying them.

Prerequisite: Mat 2020.

Time and location: 5:30 pm – 7:20 pm, MW, 0127 STAT.

Office hours: 3:00 – 4:00, TR, and by appointment.

Textbook: J. Stewart: Calculus, Early Transcendentals, 6th edition. Purchase of the *Students Solutions Manual* is optional.

Course Contents	Tentative schedule
Chapter 12: 12.1 - 12.5	1/11–1/27
Chapter 13: 13.1 - 13.4	2/1–2/10
Chapter 14: 14.1, 14.3 - 14.7	2/15–3/1
Chapter 15: 15.1 - 15.5, 15.7 - 15.8	3/3–3/31
Chapter 16: 16.1 - 16.9	4/5–4/26

Exams, quizzes, and grades:

Exam	time	% of grade
Midterm I	2/10	15%
Midterm II	3/10	15%
Midterm III	4/14	15%
Final	4/28	35%
Quizzes		20%

Letter grades will be on a straight scale, 90-100, A-, A; 80-89, B-, B, B+; 70-79, C-, C, C+, etc. There are three midterm exams and one final exam. A midterm exam, lasting one hour, will cover materials lectured since the previous midterm exam. The final exam is comprehensive. Quizzes, lasting 15 minutes, will be given weekly in Wednesday classes except for the weeks of exams. There might be some exceptions that will be announced in class. A quiz will cover materials lectured since the previous quiz. Homework will be assigned, but no homework will be collected.

Absence from exams: Your two lowest quiz scores will be dropped. No makeup quiz will be given. Missing a mid-term exam is permitted only for the most compelling reasons. You should obtain my permission in advance to miss an exam. Otherwise you will be given a 0. If you are excused from taking an exam, a makeup will be arranged in my office hours. Except in extraordinary situations, all students missing the final exam will fail the course.

Graphing calculator: Students in MAT 2020 are required to purchase a programmable graphing calculator. The department currently offer support to TI85/86 or the HP-49G and HP-48GX.