Math 271 Course Information

Required Text Calculus (Third Edition), by J. Rogawski and C. Adams

Course Content Selected sections in Chapters 13-18 of the textbook.

Course Objective Develop differential and integral calculus for two and three variables. In particular, the student who successfully completes the class will be able to:

1. extend the concept of derivative to several variables

2. find maxima/minima of surfaces

3. extend the concept of integration to several variables

4. relate line integrals to area integrals via Green's Theorem

5. relate surface integrals to volume integrals via Stokes' Theorem and the Divergence Theorem.

.

Homework Policy Problems will be assigned and graded regularly via the **WebAssign** system (the class key is **calvin 1292 9162**). The homework is due at the stated date and time, and late assignments will not be accepted. I encourage you to collaborate with each other when doing the homework problems. One of the goals in doing the homework is to not only further develop your problem-solving skills, but to improve your ability to communicate mathematics to others.

The quiz problems will come directly from the assigned homework problems.

Make-up Policy There will be no make-ups for the quizzes. The lowest quiz grade will be dropped.

There will be no make-up exams. If you miss an exam, the score on the final will be substituted for the score of the exam.

Grading Policy Quizzes will be given weekly. There will be four midterm exams, and a comprehensive final exam. The points will be distributed as follows:

	Homework	Quizzes	Midterm Exams	Final Exam	Total
Points	30	100	400	150	680

The distribution of grades is not determined until the end of the semester. In a typical situation, the final distribution of grades will determine the cutoff point for A's, B's, etc. I can guarantee, however, that if your class average is 93 or better, then you will receive an A for the course.

Attendance Policy Your attendance is not mandatory; however, your likelihood of doing well is directly proportional to the number of lectures that you attend. If you decide not to attend, that is your business, but please do not then expect me to be sympathetic to your pleas for help the day before a quiz/exam is given.

Electronic Gadget Policy While you are free to use the technology of your choice while doing the homework problems, *you will not be permitted to use any technology when taking in-class quizzes or exams.*

The classroom is a No Cell Phone Zone. You are not to use your cell phone to make phone calls, receive phone calls, or text message. Any violation of this policy will result in the deduction of three points from your final class average.