

Mathematics 150, Spring 2013

## Calculus I

J. Hefferon, STE 217C

**Course Description** Derivatives and the rules for differentiation. Applications including related rates, exponential growth, optimization, and graphing functions. Introduction to integration, including area, volume, and work.

**Prerequisites** A precalculus (or business calculus) course that includes limits.

**Text** *Calculus; Early Transcendentals* by Stewart, edition seven.

**Calculator** The work in this class is mainly symbolic, not numerical. You may find useful an inexpensive scientific calculator, but you may not use a graphing calculator or smart phone on any quiz or exam.

**Requirements** As in all courses, to get satisfactory results, you must come to class and you must prepare for the next class by doing the homework.

We will have regular quizzes, three mid-term exams and a final exam. The overall letter grade for the course weighs equally these five.

**Attendance** You are expected to come to class. In particular, you must be in class to take the quizzes. If for some reason you are unable to attend a class then let me know via email. If you know in advance that you are unable to attend a class then let me know in advance when you will be missing. If you are an athlete then give me a copy of the game schedule.

**Meaning of your course grade** A D tells you that although you will get credit for this course, you have dead-ended: you are not prepared for following courses. A C says that you are minimally prepared for following courses but you should expect to have to work hard there. Do not consider a C an acceptable grade; it is a warning that you have gaps that you must fill. In contrast, a B states my judgement that you are well-prepared to move up to the next level. Finally, an A marks superior performance and is the way that I get to recognize your work and encourage you to go on.