

Calculus I
Math 172, Spring 2012
10:00-10:50 a.m. daily, Bouillon 144

Instructor: Dr. Fassett
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Office Hours: To be announced

Text: Calculus, 5th edition, by Hughes-Hallett. If you plan on taking more than two quarters of calculus you will want to get a copy of the single and multivariable edition. Otherwise you will only need the single variable edition.

Calculator: A graphing calculator is required for the course. I will be using the TI-84 Plus.

Course Description: Math 172 is intended for students majoring in business, economics, mathematics, science, or technology. The course covers the theory, techniques, and applications of differentiation of elementary algebraic and transcendental functions.

Course Goals: Upon successful completion of the course, the student will be able to:

- utilize graphical, numerical, and algebraic techniques in solving a variety of problems relating to the concept of the derivative.
- communicate verbally and in writing one's understanding of mathematical concepts to others.

Course Policies:

Attendance: Daily attendance is expected and considered necessary for success. Please bring the text and a calculator to each class meeting. You are responsible for any announcements made during class regarding homework, quizzes, and exams. Please turn off your cell phone before class begins.

Homework: Daily homework will be assigned but not collected. As the assigned problems will form the basis for quizzes and exams, it is to your advantage (and responsibility) to keep up with the homework. You should expect to commit 10+ hours per week on average outside of class to this course.

Quizzes: There will be several quizzes worth 10 points each which will be announced in advance. Your top five quiz scores will be counted toward your course grade.

Exams: There will be three 100-point exams announced in advance. If you miss an exam and have not made prior arrangements with me, a score of "0" will be recorded. Make up exams will only be allowed for documented illnesses or extreme cases.

Final Exam: There will be a comprehensive 150-point final exam held during finals week.

Course Grade: Total points for your course grade will be based upon the following:

Quizzes	50 points (10%)
Exams	300 points (60%)
Comprehensive Final	<u>150 points</u> (30%)
Total	500 points

Course grades will be assigned based upon the following scale:

100-93% = A	79.9-77% = C+	below 60% = F
92.9-90% = A-	76.9-73% = C	
89.9-87% = B+	72.9-70% = C-	
86.9-83% = B	69.9-67% = D+	
82.9-80% = B-	66.9-63% = D	
	62.9-60% = D-	

I reserve the right to adjust the above scale (in the student's favor) if deemed appropriate.

Students with special needs or disabilities that may affect their ability to access information or material presented in this course are encouraged to contact the Director of Disability Support Services at 963-2171 (TTD 963-2143).