



Course Syllabus - Math 172 - Spring 2010  
Calculus 1  
10:00-11:00AM / MTWRF / BOUILLON 110

Professor: Dr. Jane Whitmire  
Email: whitmire@cwu.edu  
Phone - Office: 509-963-2268 Bouillon 123  
Office Hours: MTWRF 2:00-2:50 PM or by appointment  
Textbook: Calculus Early Transcendentals, Chapters 1, 2, 3, and 4  
Authors: George B. Thomas, Jr.

### Course Description

Calculus 1 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 Policies

**Electronics:** Unless otherwise stated, students will not be allowed to operate any type of electronic equipment in class such as cellular phones, calculators, or beepers. Electronics, including calculators and cell phones, will not be allowed during examinations.

**Homework:** Daily homework will be assigned, but not collected. As assigned problems form the basis for exams, it is to your advantage and responsibility to keep up with the homework.

**Attendance:** Daily attendance is expected and necessary for success. Bring the text to each class meeting. You are responsible for any announcements made during class regarding homework and exams. One percent or ten points is deducted from the overall course grade for each day absent.

**Exams:** Exams will not be given early or late. Make-up exams will not be given for any reason. No credit will be given for exams not taken. Only the 8 highest scores from the 9 exams will be used in the calculation of the final grade. Part of taking the exam is to complete the exam in the time allotted. The lowest exam score will be dropped for every student. Questions on the exams will be similar to problems assigned in class. Notes, books, or calculators will not be used on exams, unless otherwise indicated. A student who is unable to attend class on an exam day must notify the instructor of that absence **at least 48 hours prior** to the class session or he/she will forfeit the right to make up the exam. The student who knows they will be absent in advance will have the option of taking the exam early.

**Extra Credit:** No extra credit assignments will be given.

**Comments:**

You are expected to solve the problems on the exams using the methods we discuss in class, thereby demonstrating your understanding of these methods. Non-legitimate means of finding solutions to the given problems include guessing, trial-and-error, copying another student's answer, or remembering an answer from the back of the book. Minimal credit will be given for solutions provided without a through demonstration of the problem solving techniques shown in class.

Calculus requires a higher level of mathematical sophistication than the previous mathematical courses you have taken. For this reason, students all over the world struggle when they first meet calculus. It is expected that you will devote at least 10 productive hours of work per week to this course.

Read the relevant parts of the textbook before attending lectures, review your lecture notes after each lecture, and do all the assigned problems. To pass this course, you must practice. Mathematics is not a spectator sport.

After each exam, I will post grades on the class Blackboard website. Blackboard can be accessed using the Wildcat Connection. You should check this site regularly to insure that the recorded score is correct and compare your score to others in the classroom.

**Student Learning Outcomes**

Course content includes limits; slopes of tangent lines; velocity and acceleration; derivative procedures; derivatives applied to graphing functions; composition of functions; the mean value theorem; exponential and logarithmic functions; and exponential growth and decay. Passing students must show mastery of these subjects.

**Important Dates:**

<i>Exam1</i>	→ 100 points	→ 4/02/2010
<i>Exam2</i>	→ 100 points	→ 4/09/2010
<i>Exam3</i>	→ 100 points	→ 4/16/2010
<i>Exam4</i>	→ 100 points	→ 4/23/2010
<i>Exam5</i>	→ 100 points	→ 4/30/2010
<i>Exam6</i>	→ 100 points	→ 5/07/2010
<i>Exam7</i>	→ 100 points	→ 5/14/2010
<i>Exam8</i>	→ 100 points	→ 5/21/2010
<i>Exam9</i>	→ 100 points	→ 5/28/2010
<i>Final</i>	→ 200 points	→ 6/07/2010

*TOTAL*    1000 points    8 Exams and Final

**Special Needs Statement:**

Students with disabilities who wish to set up academic adjustments in this class should provide a copy of their "Confirmation of Eligibility for Academic Adjustments". Eligible students without this form should contact the Disability Support Services Office by visiting Bouillon 205, emailing dssrecept@cwu.edu, or calling the phone number 509-963-2171.

**HELP:**

The Academic Skills Center (Hertz Hall) is a useful source of help (hours: Mon-Thu 1-4pm, Tue and Thu 6-8pm). A list of private mathematics tutors be be obtained from the mathematics secretary (Bouillon 108). You may qualify for free tutoring. See the Academic Achievement Program: <http://www.cwu.edu/aap/campus.html>