

**Fall 2007**  
**Math 172.002**  
**Calculus 1**  
**Nicholson 202 9:00 - 9:50**

**Instructor:** Dr. Jim Bisgard

**Office:** Bouillon 118

**Phone:** 963-2823

**E-mail:** bisgardj@cwu.edu

**Office Hours:** MW 1:00 - 1:50, TTh 10:00 - 10:50, and by appointment.

**Course Goals:** After passing this class, students should be able to compute limits, identify continuous and differentiable elementary functions, differentiate a variety of elementary functions, and apply the techniques of differentiation to several applied problems. (Notice: the phrase elementary functions refers to polynomial, exponential, logarithmic, and trigonometric functions! The word 'elementary' should not be confused with 'simple'.)

**Required Text:** Weir, Hass, and Giordano, *Thomas' Calculus: Early Transcendentals* 11<sup>th</sup> Edition, Addison-Wesley

**Calculator:** A graphing calculator is required for class and exams. If you have a question about whether your calculator is suitable, please see me.

## 1 Grades/Exams/Homework

- Grades

Grades will be calculated using the following weighting system:

Exams: 50% total, broken up as follows: 15% for each of the first and second exams and 20% for the final exam;

Take-Home Quizzes: 40%;

(Notice that this means that **quizzes** are **very** important in determining your grade! In particular, it is impossible to pass if you don't turn in the quizzes, and your grade will suffer if you forget to turn in quizzes!)

Homework: 10%;

(Homework will be graded based on how complete it is - just writing down answers with no work is not complete!)

and the following scale:

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

- Exams

There will be two mid-terms and a final. The mid-terms will be in class on October 11 and November 6. Make-up exams for the mid-term will be at my discretion, must be requested **before** (if possible) **or within 24 hours after the exam**, and will only be given if you have evidence of a compelling reason for missing the exam (sickness, jail, field-trip, University athletic event, etc.). (As an example, if you have a doctor's appointment, and you don't tell me until after the exam, I will not give you a make-up.) The final exam is Wednesday, December 5, and will be cumulative. There will be **NO** early finals, so please do not plan on leaving before the final!

- Quizzes and other work

Quizzes: We will have a quiz every week, except for those weeks when we have an exam. These quizzes will be take-home quizzes, and you will have two days to complete them. (For example, if I give you a quiz on Tuesday, it will be due two days later on Thursday.) The quiz must be handed in by 5:00 p.m. of the day it is due. **Late quizzes will receive NO credit!** You do not have to come to class to hand in your quiz: you may give it to me in my office, or to the math department secretary, or put in the envelope next to my office door. If you are unable to do this yourself, you may have a friend or roommate hand in your quiz for you. As a last resort, you may fax your quiz to the math department at (509) 963-3226 or email it to me. (Notice: if you try to email me, the email system is not always cooperative! It might take 10 minutes for your email to show up, or it might take several hours before it shows up! If it hasn't arrived in my inbox by 5 p.m., your quiz will be late!) There will be **NO** make-up quizzes. However, you may be excused from a quiz if you have a compelling reason (jail, university sporting event, field trip, etc.) and alert me ahead of time (if possible) or within 24 hours after the quiz is due. In particular, if you turn in a quiz late because of an event that you knew about ahead of time, you will **NOT** be excused from the quiz. (For example, doctor's appointments or work commitments that you know of ahead of time will not get you excused!)

Worksheets: I will try and have a worksheet every week. The idea for these is to give you some practice problems, and let you ask questions on a little more personal level. You will receive 1 point of extra credit for each worksheet, but you will receive this only if you are present at the end of class on the day the worksheet is handed out.

Homework: You will receive a homework assignment about once a week, and you will have one week to do these problems. Homework will be graded on a completion basis: if you try all of the problems, you'll receive full credit, while if you only do half, you will receive half the points. Class is an excellent place to ask about any homework problem you have a question about. Quiz and exam problems will be very similar to the homework, which is another reason that you should do them!

## 2 General Comments/Policies

Daily attendance is expected and considered necessary for success. It is your responsibility to find out what was covered or handed out on days you were absent. Please bring a calculator to each class meeting. You are responsible for any announcements made in class regarding homework, exams, and quizzes. Handouts from class will be available from me.

There are at least two major difficulties with calculus. First, the class moves **very** quickly! We have a lot of material to cover, and not a lot of time to cover it. If you do not understand something in class, and do not ask about it, you will very quickly be completely lost! Second, you need to be comfortable with your algebra skills! It has been said that "Calculus is easy, algebra is hard." This is very true - the great majority of mistakes are algebra mistakes!

*Students with disabilities who wish to set up academic adjustments in this class should give me a copy of their "Confirmation of Eligibility for Academic Adjustments" from the Disability Support Services Office as soon as possible so we can discuss how the approved adjustments will be implemented in this class. Students without this form should contact the Disability Support Services Office, Bouillon 205 or [dssrecept@cwu.edu](mailto:dssrecept@cwu.edu) or 963-2171.*

## 3 Important Dates

September 25 - Last Day for Add/Drop

October 11 - first mid-term

November 6 - second mid-term

November 2 - uncontested withdrawal deadline

December 5 - final exam