

**Spring 2014**  
**Calculus for Business**  
**Math 206**

Section 005                      12:40-1:40 PM Swart 127                      Monday, Tuesday, Wednesday, Friday

**Instructor Information**

Name:                      Linda Eroh  
Office:                      124 Swart  
Office Hours:              9:10 – 10:10 AM Tues. Thurs. and 1:50 – 2:50 PM Mon. Tues. Wed. Fri.  
                                    Other times by appointment. Drop-ins are welcome.  
Office Phone:              424-7343  
Home Phone:              685-0351 (It is OK to call me at home, but please no calls between 10 pm and 6 am.)  
e-mail:                      eroh@uwosh.edu

**Course Information**

Required:                  *Applied Calculus* 3<sup>rd</sup> edition, Hughes-Hallett, Gleason, Lock, Flath, et. al.  
  
                                    TI-83, TI-83+ or TI-84+ graphing calculator

*It will be important that you read the text carefully.* Keep in mind that reading a mathematics text or any technical material is very different and much more time consuming than reading, for example, a novel. You should read a mathematics text with pencil, paper, and calculator in hand. Work through each example and make sure you understand it. Mark sections or examples that you do not understand so you can return to them later or ask questions. It is often necessary to read a section in a mathematics text more than once to understand the main concepts.

**Please, no cell phones in class!** Turn them off or leave them at home. If you must have a cell phone (emergency workers, parents of young children), please set it on vibrate. When you answer it, leave the room quietly.

**Drop Date Reminder**

The last day to drop is **March 19, 2014**. (You must drop in the first week to receive a full refund on tuition, or within the first three weeks to receive a partial refund on tuition.) Late withdrawals are approved very rarely and only when there are extenuating circumstances beyond your control which occur after the drop date. If at any point you are concerned about your progress in the class, please make an appointment to discuss the situation with me.

**Prerequisites**

Mathematics 104 or 108 or 204 with a grade of C or better or placement.

This course follows Mathematics 204. Topics include logarithmic and exponential functions, differential and integral calculus and their application to business problems. Topics introduced in Math 206, such as marginal analysis, optimization, and total change, are used in subsequent business and economics courses.

**Homework**

Homework will be assigned daily and typically collected about two class periods after the material is covered. There is usually an opportunity to ask questions in class one class period after it is covered. I strongly encourage you to work on each assignment before the next class and promptly seek help if you have any difficulties. You are encouraged to work together on homework, but please write up and turn in your assignments individually. Working together means sharing ideas, asking one another for hints or reassurance when you are stuck or unsure, and discussing different approaches. It does *not* mean that one

person completes the assignment and the other student copies it down. You should understand any homework which you turn in, be able to discuss it with me, and be able to complete similar problems on a quiz or exam. My rule of thumb is that collaboration which increases your learning is acceptable; collaboration which hinders your learning is not. Homework will be accepted late before it is graded and returned with a 10% penalty. Homework will not be accepted after it has been graded and returned to the rest of the class without a documented excuse. Homework is usually graded with 1 point per problem if the solution is correct,  $\frac{3}{4}$  point for a partially correct solution, and  $\frac{1}{2}$  point for a serious effort but incorrect solution.

### Quizzes

We will also have quizzes most weeks, usually on Friday. Quizzes will be given in the last 10-15 minutes of class and will be worth 10 points each. The lowest 2 quiz scores will be dropped. Make-up quizzes are only given if you have a well-documented excuse such as a medical emergency. If you know you are going to miss a quiz, for instance for an athletic event or field trip, you should arrange to take the quiz early. If you miss more than two quizzes due to circumstances beyond your control, please talk to me as soon as possible.

### In-Class Activities

On many days, we will have some short in-class activities intended to give you immediate practice with material we have just discussed and, less often, to lead you to explore new ideas. Some of these activities will be done individually; for others, you will be asked to work in small groups. We will almost always discuss solutions at the end of class. Your grade on these activities is based primarily on your active participation in both the activity and the follow-up discussion.

### Exams

**Notice that exam dates and material covered are approximate; exact dates and coverage will be announced in class. Each exam will contain some review questions from earlier material and the final exam is cumulative.**

Exam 1 is tentatively scheduled for Tuesday Feb. 25. Exam 2 is tentatively scheduled for Friday March 21. Exam 3 is tentatively scheduled for Tuesday, April 22. Exam 4 will be Friday, May 16, and will be cumulative.

### Special Accommodations

Students with disabilities requiring special accommodations should contact Disability Services in the Dean of Students Office. Students with learning disabilities may be able to receive assistance or special accommodations through the Project Success office. In fairness to other students, I cannot offer unique accommodations to any student without proper documentation. However, if you need accommodations, please talk to me, and I'll help you make the necessary arrangements.

### Grading Distribution

In-Class Activities/Participation	4%
Homework	16%
Quizzes	16%
Exam 1	16%
Exam 2	16%
Exam 3	16%
Exam 4	16%

Attendance and participation contribute to your grade for In-Class Group Activities and Participation. They may also help determine your grade if you fall on the border between two grades.

### Grading Scale

You are guaranteed at least the grade you earn on the following scale. Notice that the scale is given in percentages and not points. Any score below 60% is an F.

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