

Syllabus for: Math 194 Intermediate Algebra for Business Fields

Semester & Year:	Spring 2013
Course ID and Section Number:	Math 194 (E2688)
Number of Credits/Units:	4
Day/Time:	MWF 10:05-11:20
Location:	LRC 105
Instructor's Name:	Erin Wall
Contact Information:	Office location and hours: Phone: 707-476-4223 Email: erin-wall@redwoods.edu

Course Description (catalog description as described in course outline):

A course in which functions are investigated graphically, numerically, symbolically and verbally in real-world settings with an emphasis on applications to business. Linear, quadratic, polynomial, rational, exponential, and logarithmic equations and functions are explored as models of real life applications. Data analysis and technology are integrated into all aspects of the course.

Student Learning Outcomes (as described in course outline) :

1. Apply the mathematics to real-world problems and applications with an emphasis on business.
2. Use the graphing calculator and spreadsheet software to explore mathematical concepts and to verify their work.
3. Demonstrate competency in the required prerequisite skills for transfer level math courses in statistics and business calculus.
4. Explain the concept of function, identify the characteristics of different classes of functions, and use functions to solve problems in business applications.
5. Use problem-solving skills, including a multi-step problem-solving process

Special accommodations: College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability related services and may need accommodations, please see me or contact Disabled Students Programs and Services. Students may make requests for alternative media by contacting DSPS.

Academic Misconduct: Cheating, plagiarism, collusion, abuse of resource materials, computer misuse, fabrication or falsification, multiple submissions, complicity in academic misconduct, and/ or bearing false witness will not be tolerated. Violations will be dealt with according to the procedures and sanctions proscribed by the College of the Redwoods. Students caught plagiarizing or cheating on exams will receive an "F" in the course.

The student code of conduct is available on the College of the Redwoods website at:

<http://redwoods.edu/District/Board/New/Chapter5/AP%205500%20Conduct%20Code%20final%2002-07-2012.pdf>

Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods homepage.

College of the Redwoods is committed to equal opportunity in employment, admission to the college, and in the conduct of all of its programs and activities.

Welcome to Math 194—Intermediate Algebra for Business Fields—Spring 2013

Instructor: Erin Wall

Office Location: PS 116B, phone number 476-4223

Email: erin-wall@redwoods.edu

Office Hours: Mondays 9-10 am, Thursday 10:30-11:30 am, and others by appointment

Cancelled Class Line: 476-4210 Option 5

Required Text and Materials:

- Intermediate Algebra Functions & Authentic App. custom edition w/MyMathLab Author: Jay Lehmann,
- Online Materials <http://www.mymathlab.com>. Course ID# **wall30977**
- TI-83 or 84 Graphing Calculator- may rent for \$20 from the Math Department
- pencils and erasers
- stapler with staples
- 8.5x11 paper
- Graph paper
- Composition Book- for creation of a reference book

Recommended Materials:

- Colored pencils
- Ruler (in a pinch the side of a book or calculator works)

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functions to solve problems in business applications.

5. Use problem-solving skills, including a multi-step problem-solving process

Course Grading Scale:

Written Homework	10%
Online Homework	10%
Class Participation and Midterm Corrections	15%
Weekly Quizzes	15%
Midterm	30%
Final	20%

Letter Grades will be assigned no stricter than the following:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59%

Class Time: Class time is for issues that concern the entire class. It is not the time to discuss your grade, homework questions, or any other individual matters. Send me an email, call me, or come by my office during office hours to discuss these kinds of issues. We will spend the first 10-15 minutes of class time on homework questions from the previous class meeting's assignment. If you have more than a question or two from the assignment you will want to get some help outside of class.

Mathematics Department Policy Regarding "Faculty Withdrawal" of Students after Census Day:

A student who is absent from class for the amount of time equal to two weeks of classes, will be withdrawn from the course, unless there are extenuating circumstances that are communicated to the instructor in a timely manner. This "faculty withdrawal" can occur between Week 4 and Week 10 of the semester.

Homework: Homework will be posted on MyMathLab/CourseCompass site for this course throughout the semester. There will be both online homework and written homework for most sections. Homework both online and written is due the next class meeting after it is covered. Therefore, if you have a lot of trouble with an assignment you need to seek help before the next class period. Written homework should be neatly done in pencil and meet the following guidelines:

- Your name, homework section and problem numbers on the top of your paper.
- If multiple pages, staple in the upper left corner.
- Begin each problem with the original problem (except story problems), show appropriate work, and the answer should be at the end of each problem. Work down the page.
- With story problems be sure to begin with assigning variables or a picture, and answer should be written in a complete sentence.
- Graphs made by hand (not sketched from calculator) need to be done on graph paper.

Your grade on written homework will be based upon whether it looks like you did all the problems, whether you followed the guidelines given above, and whether you used notation properly as illustrated in your text and in class. Please check your solution to odd problems in the text. Each online assignment is also worth 10 points but is based on whether you get the problems correct. Each problem in the online homework can be worked up to three times. All homework assignments are worth 10 points. Late homework will be accepted up to one class period after the due date.

Graded Papers: Papers once I have graded and recorded them will be brought to class and available to pick up before or at the end of the class. I will store them in a slot box outside my office between classes so you can pick them up there as well.

Class Participation and Midterm Corrections: Your presence and participation in class is essential for making this class successful. Your participation in activities and questions inform me, and you, of whether you understand the material. It is also where you will be learning and practicing mathematical grammar. Writing mathematics correctly is crucial to learning the mathematical content. Your participation grade will be based upon:

- Warm Ups
- Online reading or video viewing quizzes
- Short in class activities
- Larger Class Activities
- Midterm Corrections
- Reference Book

All but, the larger activities and Midterm Corrections, are 5 points each. There is no way to do these ahead of time or make these activities up. You can accumulate points to offset these by answering one of the homework questions put up on the board by one of your fellow students or sharing your work on the board when I seek volunteers in class.

Weekly Quizzes: There will be a quiz each week on Friday except the week of the midterm and the last day of classes. These quizzes will usually cover material we have covered that week. This gives you and I a chance to see what you understand and what you still need to work on. You may or may not be able to use your reference book on them. I will notify you in advance whether your reference book will be allowed.

Midterm: There will be a Midterm on Friday March 8th. The Friday before Spring Break. Make-ups are given at my discretion. Advanced and prompt notifications of missing the midterm increases your chances of being granted a make-up.

If you miss the midterm, or do poorly on it, your percentage on the Final will replace your Midterm score.

The cumulative final is scheduled by the college for Wednesday May 8th 10:45am-12:45pm. Do not plan on leaving town before your scheduled final.

Cell Phone Policy: Cell phones need to be turned off. If you must leave your cell phone on put it on vibrate in your pocket and sit next to the door. Be sure to quietly exit the classroom and move away from the door quickly before answering. If I decide that you did not answer your cell phone respectfully or your phone rings out loud in class, you need to bring treats for everyone the next class meeting to express your sincere apology. I also reserve the right to deduct points from your class participation points. Texting is not permitted at any time. I will deduct points from your participation grade for texting. Texting distracts you at the time but negatively impacts the learning environment for everyone around you as well, including myself. The reason being that when I give the class problems to work on or have you work in groups you are left clueless as to what you are suppose to be doing.

**If a student believes that he or she may need an accommodation for a disability, please see me or initiate contact with Disabled Student Programs and Services at 476-4280.

Academic Misconduct: Any violation will be dealt with according to the procedures and sanctions proscribed by the College of the Redwoods.

I reserve the right to modify this syllabus