

## Syllabus for: Math 194 Intermediate Algebra for Business Fields

<b>Semester &amp; Year:</b>	Fall 2015
<b>Course ID and Section Number:</b>	MATH-194-E7996 Int Alg for Soc Sci, Business
<b>Number of Credits/Units:</b>	4 UNITS
<b>Day/Time:</b>	MWF 10:05 AM 11:20AM
<b>Location:</b>	Science Bldg., Room SC206
<b>Instructor's Name:</b>	Steve Jackson
<b>Contact Information:</b>	Office: SC216L Telephone: 476-4219

### 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 social sciences and 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.

*Note: Computer use with spreadsheet software (Excel) is a necessary part of the course. A graphing calculator is required; TI-83 or TI-84 recommended.*

*This course meets the prerequisite for MATH-5 and MATH 15, and does not meet the prerequisite for MATH-25 or MATH-30.*

### Student Learning Outcomes (as described in course outline) :

1. Apply mathematics to real-world problems and applications, with an emphasis on social sciences and business.
2. Use graphing calculators to explore mathematical concepts and to verify work.
3. Demonstrate competency in 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 related to social sciences and business.
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.

### **Required Text and Materials:**

- 1) Intermediate Algebra Functions and Authentic Applications, Custom Edition with MyMathLab Author: Jay
- 2) Online Materials <http://www.mymathlab.com>
- 3.) TI-83/84 Graphing Calculator. You may rent one for \$20 from the Math Department.
- 4.) Pencils, erasers, stapler, 8.5X11 paper, graph paper, ruler
- 5.) Composition Book – for the creation of a reference book

### **Homework:**

Online homework will be posted on MyMathLab/CourseCompass site for this course throughout the semester. There will be both online homework, daily, and written homework for most sections. The 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.

Keep the daily homework in a notebook. Your grade on the daily 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 NOT be accepted after the due date.

One must do mathematics in order to learn mathematics. Hence, I will be checking your progress in the online and daily homework at arbitrary times. I will consider that you are not participating in the course if you are not making progress in the daily and online homework. Lack of participation on the part of a student, may result in a faculty withdrawal. That is, in a drop. You will be given ample time to do your homework. So do it.

**Quizzes:** There will be a number of quizzes given throughout the semester, except for the week of the midterm and the last day of classes. These quizzes will usually cover material we have covered that week. 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. **NO MAKEUP QUIZZES.** Missing several quizzes counts as non-participation. Lack of participation on the part of a student, may result in a faculty withdrawal. That is, in a drop.

**Exams:** We will have at least one midterm exam and a final exam. **DO NOT MISS** any of the exams! **NO MAKEUP EXAMS.** Do not miss the midterm. Missing the midterm counts as non-participation. Lack of participation on the part of a student, may result in a faculty withdrawal. That is, in a drop.

**Course Grading Scale:**

Homework	20%
Exams/Quizzes	80%

**Letter Grades:**

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

**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 extenuation circumstances communicated to the instructor in a timely manner. This “faculty withdrawal” can occur between WEEK 4 and WEEK 10 of the semester. Missing too many classes counts as non-participation. Lack of participation on the part of a student, may result in a faculty withdrawal. That is, in a drop.

**Cell Phone and Texting Policy:** Texting and cell phone usage during will class will warrant immediate dismissal from class. Class time is precious, therefore texting and cell phone usage during class will be considered disruptive behavior.

*This information is subject to change depending on class circumstances.*