

<b>Syllabus for: Intermediate Algebra                      Math 120</b>	
<b>Semester &amp; Year:</b>	Fall 2012
<b>Course ID and Section Number:</b>	MATH-120-E1890 Intermediate Algebra
<b>Number of Credits/Units:</b>	4 Units
<b>Day/Time:</b>	MTWTH 04:30 PM – 05:35PM
<b>Location:</b>	PS 201
<b>Instructor's Name:</b>	Jackson
<b>Contact Information:</b>	Office location and hours: PS119B Phone: 476-4219 Email: <a href="mailto:steve-jackson@redwoods.edu">steve-jackson@redwoods.edu</a>
<b>Course Description (catalog description as described in course outline):</b>	
A course in which functions are investigated graphically, numerically, symbolically and verbally in real-world settings. Linear, quadratic, absolute value, polynomial, rational, radical, exponential, and logarithmic equations and functions are explored. Technology is integrated into all aspects of the course.	
<b>Student Learning Outcomes (as described in course outline) :</b>	
<ol style="list-style-type: none"> <li>1. Evaluate and interpret general functions symbolically, numerically, and graphically.</li> <li>2. Produce an accurate graph of each function type introduced in the course, identifying and plotting all salient features.</li> <li>3. Demonstrate appropriate use of technology in analyzing the behavior of functions presented in the course.</li> <li>4. Use mathematical models to analyze and interpret real-world situations.</li> <li>5. Use sound mathematical writing and appropriate use of symbolism in presenting solutions of mathematical exercises and applications.</li> </ol>	
<b>Special accommodations:</b> 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.	
<b>Academic Misconduct:</b> 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: <a href="http://www.redwoods.edu/District/Board/New/Chapter5/Ap5500.pdf">http://www.redwoods.edu/District/Board/New/Chapter5/Ap5500.pdf</a>	
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.	

**Prerequisites:** Math 380 (or equivalent) with a grade of "C" or better or appropriate score on the math placement exam.

**Describe representative skills without which the student would be highly unlikely to succeed:**

Ability to use the properties of real numbers to solve linear equations and inequalities. Ability to draw, read, and interpret graphs, and find the equations of lines. Ability to correctly manipulate polynomial expressions, including factoring. Students must possess the ability to use the graphing calculator.

**Attendance Policy:** I reserve the right to drop from the course any student that has more than four unexcused absences. Reference: Title 5, Sections 55024 and 58004. Approved: 05/01/2012

**Textbook:** Author: Department of Mathematics, College of the Redwoods; Title: Intermediate Algebra, Third Edition; Date 2007. The available modes will be discussed during class

**Homework:** Mathematics is a discipline that requires active participation on the part of every student. That is, mathematics is learned by doing. Therefore homework will be assigned every class meeting and is due the next the class meeting. I understand that at times this can be demanding, but we have to do the work in order to learn the math. If you are having difficulty with an assignment, please come and see me right away. It cannot be over emphasized how important it is to keep up with the work. If a student falls behind, it becomes impossible to learn new material. This is a difficult course. Do not fall behind!

The homework will consist of two portions. The first is a set of practice problems to be done but not handed in. The second is the "written portion" which will be written up neatly and turned in. The written problems will be graded, while the practice problems will not be graded. Guidelines for the homework write ups will be discussed in class.

Communicating mathematical ideas is an essential part of learning mathematics. Therefore the homework will be graded on completion of the assignment, quality of appearance, and correctness of work. If your homework is messy, then the score will be automatically zero. There is no make-up homework.

**Quizzes:** There will be several quizzes given throughout the semester. Some will be of the in-class variety, some will be take-home. They will be announced at least one class meeting prior to taking the quiz. There will also be OPTIMATH quizzes. Note that some exam and "in class" quiz problems may come from the OPTIMATH assignments.

**Exams:** There will be several exams throughout the semester. Some of the exams will be of the in-class variety. We will also have at least one take-home exam. Make sure you read and follow the exam instructions.

**Calculators:** We will be using the TI83 graphing calculator. Either purchase one or you may rent one from the Math Department.

<b>Grades:</b>	Homework/Quizzes	20%
	Exams	80%

Grades will be assigned as follows:

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

Suggestions for success: In addition to meeting the prerequisites for Math 120, consider the following to help pass this class with a grade C or better.

- Spend at least 8 hours a week preparing for this class.
- Study with a classmate.
- Attend all classes.
- Read the book and prepare each assignment before class.
- Participate actively at all times.
- Seek help as soon as you need it. Your classmates can help, I am available during office hours (or make an appointment) and there is free tutoring available at the ASC located in the Library. Better yet, seek help before you think you need it
- Sign up for MATH-120L-E1862 (031862) Math Lab for Intermediate Algebra 0.5 Unit
- Sign up for MATH-120L-E1863 (031863) Math Lab for Intermediate Algebra 1.0 Unit
- Sign up for GUID145 for Fall 2012.

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