Syllabus for: Math 120 Intermediate Algebra

Semester & Year:	Fall 2012
Course ID and Section Number:	Math 120 – E1887
Number of Credits/Units:	4
Day/Time: **Location:**	E1887 TThF 11:40-12:55 in PS 117 (F in PS 115) E1888 TThF 1:15-2:30 in PS 201
Instructor's Name:	
Contact Information:	Office location and hours: PS 119 C Fri. 10:00-11:30 Phone: 707-476-4100 ext 4900 Email: michelle-moreno@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. Linear, quadratic, polynomial, rational, radical, exponential, and logarithmic equations and functions are explored. Technology is integrated into all aspects of the course.

Student Learning Outcomes (as described in course outline) :

1. Evaluate and interpret general functions symbolically, numerically, and graphically.
2. Produce an accurate graph of each function type introduced in the course, identifying and plotting all salient features.
3. Demonstrate appropriate use of technology in analyzing the behavior of functions presented in the course.
4. Use mathematical models to analyze and interpret real-world situations.
5. Use sound mathematical writing and appropriate use of symbolism in presenting solutions of mathematical exercises and applications.

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://www.redwoods.edu/District/Board/New/Chapter5/Ap5500.pdf

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.

Math 120 - Intermediate Algebra

Fall 2012 Syllabus

Instructor: Michelle Moreno

Office: PS 119C **Office Hours**: Fridays 10:00-11:30

E-mail: michelle-moreno@redwoods.edu

Website: http://msemac.redwoods.edu/~mmoreno

Class Sessions: Section E1887: TThF 11:40-12:55 in PS 117 (F in PS 115)

Section E1888: TThF 1:15-2:30 in PS 201

TOPICS:

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. At the end of this course students should be able to do the following:

1. Evaluate and interpret general functions symbolically, numerically, and graphically.

2. Produce an accurate graph of each function type introduced in the course, identifying and plotting all salient features.
3. Demonstrate appropriate use of technology in analyzing the behavior of functions presented in the course.
4. Use mathematical models to analyze and interpret real-world situations.
5. Use sound mathematical writing and appropriate use of symbolism in presenting solutions of mathematical exercises and applications.

These five items are known as the student learning outcomes. For more details go to http://msenux.redwoods.edu/mathdept/outlines/current/math120.php

PREREQUISITES:

Math 380 (Elementary Algebra) with a grade of "C" or better, or satisfactory performance on the math assessment exam. Prerequisites will be enforced.

TEXTBOOK:

Intermediate Algebra, provided free at http://msenux.redwoods.edu/IntAlgText/. You will also be provided with a CD on the first day of class. A printed copy of the textbook is an option and is available through the bookstore.

OPTIMATH:

Optimath works best outside of MyCR thus there will not be a link to it there. Bookmark this address: http://msenux.redwoods.edu/optimath.

REQUIRED MATERIALS:

- A Graphing Calculator: a TI-83/84 is recommended
- Access to an internet connected computer
- Graph Paper
- Lots of Pencils
- Colored Pencils

HOMEWORK ASSIGNMENTS:

Homework assignments will be divided into two parts, Written Assignments and Optimath assignments. The written assignments are designed to establish proper writing and communication skills. The Optimath assignments are an excellent means for skills practice. Both types of assignments are equally important.

EXAMS & QUIZZES:

There will be a Midterm Exam covering Chapters 1-3, & 5 and a cumulative Final Exam covering Chapters 1-3 and 5-9. The Midterm is tentatively set for the week of October 15 though I reserve the right to be flexible and go with the flow of the class. You will have at least a one week notice before the exam. **The final exam for Section E1887 is Tuesday December 11 10:45-12:45. The final exam for Section E1888 is Thursday December 13 1:00-3:00.** The final will NOT be given at any other time. Make your travel plans accordingly.

You can expect to have a weekly quiz to determine your understanding of the material and gauge our progress. Quizzes may be given in class, as a take home, or through Optimath. Quizzes may be given with or without notice.

GRADING:

Written Homework	15%
Optimath Homework	15%
Quizzes	20%
Midterm Exam	20%
Final Exam	30%

ATTENDANCE:

Attendance is necessary! Students who display good attendance habits typically have the best grades and leave the course with an excellent understanding of the material. Students displaying poor work and/or attendance habits during the first few weeks of class may be dropped from the course.

TIME:

Like all math classes, this class will require a great deal of your time. Make sure that you stay organized, make a schedule, and stick to the due dates.

CLASSROOM CONDUCT:

It is imperative that the instructor and each student are treated with respect. Students should feel free to ask questions without being ridiculed. Students should be able to listen to the lecture without interruption. Remember, this is college, you don't have to be here. If you choose to be here, be here because you want to learn. And please never hinder anyone else's opportunity to learn. If you have a conversation that absolutely cannot wait, take it outside. If you come in late or need to leave early, do so quietly. If you must have your cell phone on, silence the ringer. Respect your instructor and each other! **Blatant forms of disrespect to your instructor and/or classmates will result in an F in this course!**

WORKING TOGETHER:

I encourage you to collaborate on homework and studying. Math is a highly social enterprise and a great deal of your learning will take place when you work together. I also encourage you to sign up for the Math Lab (Math 120L). This will provide for you a place to study with your peers and at the same time have access to help when you need it. Though I encourage you to work together this does not mean for you to copy from each other. The first problem that arises in this is plagiarism or academic dishonesty which is not tolerated by your instructor or this institution. The other problem is that by merely copying a classmates work you will learn absolutely nothing and almost guarantee that you will have to retake the course. When you work together make sure each student is actively participating. If someone is not participating or simply wanting to copy your work it is your responsibility to ask them to leave the group. Collaboration can be an amazing tool when studying mathematics as long as everyone in the group is learning.

ACADEMIC HONESTY:

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