Syllabus for: Math 120	
Semester & Year:	Fall 2014
Course ID and Section Number:	E6936
Number of Credits/Units:	4
Day/Time: **Location:**	MTuWTh 1:15-2:20 SC 202
Instructor's Name:	Bruce Wagner
Contact Information:	Office location: SC 216K Office hours: MTuTh 11:10-11:30 & 12:45-1:05 Phone: 707-476-4207 Email: bruce-wagner@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 2014

Eureka section E6936

Instructor: Bruce Wagner
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Email: bruce-wagner@redwoods.edu
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Course homepage: *http:// msemac.redwoods.edu/~wagner/math120*
Class Sessions: MTuWTh 1:15-2:20 in SC 202

TOPICS: 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.

PREREQUISITES: Grade of C or better in Math 380, or passing score on the appropriate assessment exam. Prerequisites will be enforced.

TEXTBOOK: *Intermediate Algebra*, provided by the Department of Mathematics at College of the Redwoods. The textbook is provided free of charge on CD and online at *http://msenux.redwoods.edu/IntAlgText*. You may also purchase a printed version of the entire textbook (including exercises and answers) at the bookstore or from *lulu.com*. See the book information handout for more details.

COURSE STRUCTURE: You will have a chance to ask questions about homework problems at the beginning of each class period. The remainder of the session will be for instruction, practice, and/or assessment. Homework will usually be due three times per week, and there will sometimes be a quiz, class activity, or an exam. A link to each week's schedule is provided on both the homepage and the "Detailed Schedule" page on the course web site.

EXAMS: There will be four midterm exams and one final exam. The final exam will be comprehensive over the entire semester. There may also be a quiz or class activity in weeks in which there is no exam. Dates for the quizzes, activities, and exams will be listed on the "Detailed Schedule" page on the course web site.

Makeup exams will only be given if there is a very good and verifiable reason for missing the exam. Notify me immediately if you cannot take an exam.

Makeup quizzes and class activities will not be given. However, I will not count the lowest quiz/activity score when computing your final grade.

Calculators will be allowed (and may be necessary) on most quizzes and exams. However, there may be some quizzes and portions of exams on which a calculator cannot be used.

HOMEWORK: There will usually be three assignments each week, alternating between written and online assignments. Online assignments will be completed using OPTIMATH, our online practice and testing system (information about the online system will be provided later). The

homework problems will be indicative of the type and difficulty of material that you need to know for the exams.

For the written assignments, be sure to follow the homework guidelines. After grading your written assignment, I will give you a chance to rewrite it for full credit.

Late written assignments will be accepted up through the next class period following the due date. However, a 20% penalty (of the total possible points) will be assessed in that case, and you will not be allowed to rewrite the assignment.

GRADING:

Written Homework:	100 points
Online Homework:	100 points
Quizzes and Class Activities:	40 points
4 Midterm Exams:	160 points (40 points each)
Final Exam:	80 points

Your course grade is guaranteed if you make the grade cutoffs given in the table below.

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

AVAILABLE HELP: Personal help will be available in the Academic Support Center and from the instructor. You are also highly encouraged to sign up for Math Lab (Math 120L). Math 120L is a lab course that offers 0.5 to 1.0 units of credit to get assistance with your math skills. The lab is located in the Academic Support Center. If math has been a struggle for you in the past, or if you are in search of an A grade, then I strongly recommend Math 120L. It has been very successful in helping students achieve their goals in mathematics.

Alternatively, you can register for the new non-credit version of Math Lab (Math 252). This is exactly the same as Math 120L, but there are no minimum hour requirements.

See the "Help" page on the course web site for more details on help resources.

USE OF CALCULATORS: A good graphing calculator is required. The recommended calculator for Math 120 is the TI-83+ or TI-84+. However, if you already have another good graphing calculator, then you may use that instead.

If you don't have a graphing calculator, and don't wish to purchase one, there are a limited number of calculators available for rent from the Mathematics Department for $20 per semester.

COURSE INFORMATION ON THE WEB: Course information will be available throughout the semester on the World Wide Web. You should consult the homepage for this course (listed above) regularly for information on homework assignments, exams, etc.

ATTENDANCE POLICY: Any student who is absent from class for the amount of time equal to two weeks of classes through week 10 will be withdrawn from the course, unless there are extenuating circumstances that are communicated to the instructor in a timely manner. This policy conforms to Mathematics Department guidelines regarding Faculty Withdrawal of students after census day.

DISABILITIES: Any student who feels that s/he may need an accommodation based on the impact of a disability should contact the instructor as soon as possible. The student will also need to visit the Disabled Student Programs and Services office (476-4280) and obtain a DSPS Support Services Agreement. Every effort will be made to meet accommodation requests. However, no retroactive accommodations will be provided.