Syllabus for Math 120: Intermediate Algebra	
Semester & Year:	Spring 2014
Course ID and Section Number:	MATH-120-D5457
Number of Credits/Units:	4
Day/Time: **Location:**	Monday, Tuesday, Wednesday, Thursday 3:40-4:45 DM 15
Instructor's Name:	Mike Haley
Contact Information:	Office location and hours: E6, Tuesday 11:45-12:25 pm, Wednesday 7:30-8:00 pm, By Appointment Phone: (707) 465-2335 Email: mike-haley@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):

- Evaluate and interpret general functions symbolically, numerically, and graphically.
- Produce an accurate graph of each function type introduced in the course, identifying and plotting all salient features.
- Demonstrate appropriate use of technology in analyzing the behavior of functions presented in the course.
- Use mathematical models to analyze and interpret real-world situations.
- 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.

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A student who is absent from class for the amount of time equal to two weeks of classes, will be withdrawn from the course, unless there are extenuating circumstances that are communicated to the instructor in a timely manner.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.

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.

MATHEMATICS 120: Intermediate Algebra, Spring 2014

Instructor: Mike Haley
Office Hours: E6, Tuesday 11:45-12:25 pm, Wednesday 7:30-8:00 pm, By Appointment
Email: mike-haley@redwoods.edu
Website: http://dn.redwoods.edu/coursenotes/haley/

TEXTBOOK: *Intermediate Algebra*, provided by the Department of Mathematics at College of the Redwoods. The textbook is provided on CD and online at http://msenux.redwoods.edu/IntAlgText/. You may also *order* a printed version of the entire text or just the exercises at the bookstore or http://www.lulu.com. This edition is the same edition used since the Fall 2007 semester.

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.

STUDENT LEARNING OUTCOMES: Upon completion of this course, students will be able to accomplish the following:
Evaluate and interpret general functions symbolically, numerically, and graphically.
Produce an accurate graph of each function type introduced in the course, identifying and plotting all salient features.
Demonstrate appropriate use of technology in analyzing the behavior of functions presented in the course.
Use mathematical models to analyze and interpret real-world situations.
Use sound mathematical writing and appropriate use of symbolism in presenting solutions of mathematical exercises and applications.

EXPECTATIONS: I expect that everyone is treated with respect in our class. Please go out of your way to be considerate of others since this will enhance the quality of the learning environment in our classroom. I expect that you use cell phones and computers appropriately and in a manner that does not disturb any fellow students or the instructor; this implies that at the very least there should not be any sound coming from your cell phone and you only utilize applications that have course content related material. Additionally, you should be on time to class and avoid leaving early in order to minimize disruption. The Student Code of Conduct addresses many issues that arise on a college campus and you should be aware of the agreement that you have made as an enrolled student.

MATERIALS: Besides the mentioned text, you will need to obtain the following for this class:

a) A TI-83+ or TI-84.
b) Graph paper (available on the class website).
c) A notebook to keep lecture notes and returned work in.
d) Lots of pencils and an eraser.

GRADE SYSTEM: Your final grade will be determined as follows

Written Homework	20%
Online Homework	10%
Participation	5%
Exam	25%
Quizzes/Activities	25%
Final Exam	15%

The plus/minus grade system will be utilized.

A	93-100%	B	83-86.9%	C	70-76.9%
A-	90-92.9%	B-	80-82.9%	D	60-69.9%
B+	87-89.9%	C+	77-79.9%	F	0-59.9%

HOMEWORK: Homework will be a regular aspect of this class, and I expect that it will be done in an organized, neat and readable fashion. The quality of your homework presentation is important to me since it representative of your understanding of coursework. Your lowest homework score will be dropped and I will accept one late homework assignment one time. See **Guidelines for Homework Assignments** and make sure you label and staple your homework correctly. Allegorically, students that don't have most of their homework assignments turned in don't typically pass the class.

EXAMS: There are four closed book exams that will occur on **Wednesday February 12, Monday March 10, Wednesday April 9,** and **Wednesday April 30**. The exams are held during the class hours published in the schedule of classes. Please be aware that regardless of the time you begin the exam, the deadline is at the end of the scheduled class time. If you are using the test proctoring services located in DSP&S, be advised that you must schedule a time that overlaps with the published course time of the class in which you are enrolled. You must schedule a time with Erica Silver in the DRC and report it to me at least 24 hours before the published exam time. If you fail to attend the exam time or the exam time that you have scheduled then you forfeit your opportunity to take the exam. No make up exams will be offered, however, your low exam score will be dropped.

QUIZZES/ACTIVITIES: There will be approximately one quiz each week. The quizzes will be similar to the homework problems. At least one quiz will be dropped but make-up quizzes will not be available.

FINAL EXAM: The final exam will be held on **Wednesday, May 14** from 3:15-5:15 or 5:30-7:30 depending on your section. The final exam may consist of at least one part that is closed book/notes and without the use of the calculator. I will give further information that clearly explains the scope of the exam.

ATTENDANCE: To succeed in a mathematics class you need to attend every class meeting. The CR Catalog defines four absences as excessive for a four unit class. If you have to miss class, make prior arrangements with a fellow student to get any notes or materials covered that day. You are responsible for the all material covered even if you don't attend class. I will remind you again that it is a great idea to get a study partner. The Math Department policy is attached on this document.

PARTICIPATION: The participation grade is positively affected by your involvement in the class, attendance, punctuality, and negatively affected by physical and electronic disturbances.

OFFICE HOURS: My office hours are dedicated to focusing on your needs. Take advantage of these hours to ask me questions that you have been unable to resolve with your study partners and other concerns you might have. The best use of your time is to come to the office with a clear idea of what you need from me in order to attain your immediate goal. I am often in my office, and you are welcome to ask me questions outside of office hours.

DISABILITIES: If you are a student with a disability or if you think that you could benefit from disability-related services, you may either speak to me or you may contact our Disabled Student Programs and Services Office on campus.

ACADEMIC INTEGRITY: If you cheat on an exam or quiz, then expect to fail the course, additionally the campus dean and the vice-president of instruction will be notified. All exams are closed book/notes unless otherwise stated. During exams and quizzes student cell phones will be turned off and not physically accessible, neglecting to do this may lead to forfeiting your opportunity to earn points on the assignment.

DISCLAIMER: While every attempt will be made to keep minimal changes to this document during the semester, like most other things, it is subject to change.

Last update 1/20/14