Syllabus for Intermediate Algebra – Eureka Campus	

Semester & Year	Fall 2016
Course ID and Section #	MATH 120 E0305
Instructor's Name	Adam Falk
Day/Time	Tuesday, Thursday, Friday 8:30AM – 9:45AM
Location	SC210
Number of Credits/Units	4 credits

Contact Information	*Office hours*	By appointment only
	Email address	Adam-Falk@redwoods.edu
Textbook Information	*Title & Edition*	Intermediate Algebra Textbook
	Author	College of the Redwoods, Department of Mathematics
	ISBN	http://msenux2.redwoods.edu/IntAlgText/

Course Description

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.
Note: Graphing calculator required, TI-83 or TI-84 recommended.

Student Learning Outcomes
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 at 707-476-4280.

Academic Support

Academic support is available at Counseling and Advising and includes academic advising and educational planning, Academic Support Center for tutoring and proctored tests, and Extended Opportunity Programs & Services, for eligible students, with advising, assistance, tutoring, and more.

Academic Honesty

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may

receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services, and scroll to AP 5500. 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 website.

Disruptive Classroom Behavior

Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; and physically or verbally abusive behavior. In such cases where the instructor determines that a student has disrupted the educational process a disruptive student may be temporarily removed from class. In addition, he or she may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services and scroll to AP 5500. 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 website.

Emergency Procedures for the <u>Eureka</u> campus:

Please review the campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). The Eureka **campus emergency map** is available at: (http://www.redwoods.edu/aboutcr/Eureka-Map; choose the evacuation map option). For more information on Public Safety, go to http://www.redwoods.edu/publicsafety. In an emergency that requires an evacuation of the building:
- Be aware of all marked exits from your area and building.
- Once outside, move to the nearest evacuation point outside your building:
- Keep streets and walkways clear for emergency vehicles and personnel.
- Do not leave campus, unless it has been deemed safe by the Incident Commander or campus authorities. (CR's lower parking lot and Tompkins Hill Rd are within the Tsunami Zone.)

  RAVE – College of the Redwoods has implemented an emergency alert system. In the event of an emergency on campus you can receive an alert through your personal email and/or phones at your home, office, and cell. Registration is necessary in order to receive emergency alerts. Please go to https://www.GetRave.com/login/Redwoods and use the "Register" button on the top right portion of the registration page to create an account. During the registration process you can elect to add additional information, such as office phone, home phone, cell phone, and personal email. Please use your CR email address as your primary Registration Email. Your CR email address ends with "redwoods.edu." Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions.

  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.

Prerequisite:
Math 380 with a grade of C or better or appropriate score on the assessment test.

Text:
Intermediate Algebra Textbook, College of the Redwoods, Department of Mathematics. This text book is available to view for free online at http://msenux.redwoods.edu/IntAlgText. You can also buy a printed copy from Lulu.com or the bookstore. A limited number of copies are available for semester long check-out at the library, and several copies will be available to check-out for 2 hour increments throughout the semester.

Objective:
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.

Materials:
You are required to have a graphing calculator for this course. I recommend a TI-83, TI-84 or TI-89. I will be using a TI-84 in class. Calculators are available for rent from the math department for $20/semester; pay at the cashier's office and pick it up in the ASC. Also, check local pawn shops, Craigslist, Ebay, etc. *Cell phones are not allowed to be used as calculators*.
You will want lots of graph paper, cheap stuff is fine but an Engineering Pad is encouraged.
You will need a ruler or straight edge for all lines in which you draw in the course.
You will want a binder to keep your notes and work in.
You will need lots of pencils and erasers. No Pens Allowed.

MATH 120L - The Math Lab for Intermediate Algebra:
All students in this class are encouraged to enroll in Math 120L, The Math Lab for Intermediate Algebra. You may sign up for 0.5 - 1.0 units of credit. The Math Lab is located in the Academic Support Center in the library, and is open every day. The Math Lab is a great place to study or do your homework. You can receive help from one of the instructors on your homework, study for exams, or brush-up on your study skills by using one of the many computer programs installed on the network.

Canvas:
A canvas page will exist for this course. I primarily will use this site as a location to store course documents and send out important class announcements via email. Please do not use Canvas messaging services to communicate with me. Email me directly at adam-falk@redwoods.edu

Classroom Environment
It is essential to our class that both students and teacher behave in a manner that will provide a comfortable learning atmosphere. Be respectful of one another. Any rude or derogatory comments will be dealt with quickly and severely. We are all adults and an open, comfortable environment is crucial for learning. Therefore, you should not hesitate to ask any questions or feel embarrassed to ask any question or seek for help. **Please silence cell phones before entering the classroom**.

Homework

Written homework will be assigned for each section and will be due within two class periods. This allows you to ask homework questions before the assigned due date and the first 5-10 minutes of each class period will be devoted to discussing homework questions.

Homework will be a combination of hand-written assignments from the test, online assignments through Optimath, and take-home worksheets. Below are some guidelines for any written assignment.

1. Label each homework assignment clearly in the center at the top of the page with the homework section number.
2. At the top right side of the page, write your name and "**Math 120**" and the date.
3. Please use pencil, and erase carefully, when necessary.
4. Staple multiple pages in the upper left-hand corner (only if all pages are for the same section).
5. Label each problem clearly, and paraphrase the question – you do not need to copy all the words of the question exactly as it is in the book, but you should write enough so that anyone looking at it (who does not have the book in front of them) can tell what it was that you were supposed to do.
6. Show your work – do not just turn in a list of answers. A problem with just the answer and no work shown will not receive credit.
7. Work down the page – each problem should be below the one you just did (not next to it), though a two-column format would be fine.
8. When creating a graph, you must use graph paper and a ruler or straight edge. You must label your axes with the appropriate scales.
9. It is your responsibility to check your work and get help if and when you have questions.

Quizzes

Quizzes will be a combination of short (10-15 minute) in-class quizzes as well as online quizzes through Optimath. These quizzes may be announced or unannounced. We will also have group work and activities throughout the semester that will count toward your quiz grade.

Exams

There will be 4 in-class or take-home exams each worth 10% of your final grade. I will notify you at least one week in advance as to the date of each exam. Before each exam, you will receive a study guide and/or practice problems. Each exam needs to be taken on the scheduled date and time unless you make prior arrangements with me. There will be no make-ups on any exam except in the most extreme of circumstances.

Final Exam

A two-hour comprehensive final exam will be held in class on **Tuesday, December 13 from 8:30AM – 10:30AM**. Please make travel plans accordingly. THERE WILL BE NO MAKE-UP FOR THE FINAL EXAM.

Grades

Homework:	25 %
Quizzes and activities:	15 %
Exams:	40 %
Final Exam:	20 %

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

Faculty Withdrawal of Students after Census Day

It is the policy of the College of the Redwoods Math Department to exercise a "Faculty Withdrawal" for any student who has missed more than 15% of the class meeting time (prior to the drop deadline), due to the severely diminished likelihood of a successful outcome in the course. It is important to note that, if it is the student's intention to withdraw from the course, the responsibility remains with the student to ensure the proper paperwork has been filed – that is, students are not to assume the teacher will file the Withdrawal.

THIS SYLLABUS IS SUBJECT TO CHANGE