Syllabus for Intermediate Algebra – Eureka Campus		
Semester & Year	Spring 2016	
Course ID and Section #	MATH 120 – E9085	
Instructor's Name	Adam Falk	
Day/Time	MWF 8:30-9:45AM	
Location	SC 210	
Number of Credits/Units	4 units	
Contact Information	*Office hours*	By appointment
	Email address	adam-falk@redwoods.edu
Textbook Information	*Title & Edition*	Intermediate Algebra Text
	Author	David Arnold
		*See below for textbook information

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.

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: www.redwoods.edu/district/board/new/chapter5/documents/AP5500StudentConductCodeandDisciplinaryProceduresrev1.pdf 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: www.redwoods.edu/district/board/new/chapter5/documents/AP5500StudentConductCodeandDisciplinaryProceduresrev1.pdf
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 Eureka 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/Eureka/campus-maps/EurekaMap_emergency.pdf). For more information on Public Safety, go to http://redwoods.edu/safety/ 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.

Course Prerequisites

A grade of "C" or better in Math 380 (Elementary Algebra) or equivalent or appropriate score on the math placement exam is required.

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, draw, read and interpret graphs, and find the equations of lines.
- **A complete proficiency in adding, subtracting, multiplying, and dividing fractions**.
- Ability to correctly manipulate polynomial expressions, including factoring.
- Familiarity with graphing calculators

Text

The Intermediate Algebra textbook is also available online at: http://msenux2.redwoods.edu/IntAlgText/

You will need Adobe Acrobat Reader to read the book. Go to http://get.adobe.com/reader/ if you need to download Acrobat Reader. It is important that you have the most current version of the Acrobat Reader that your system will allow.

Print versions are available in two volumes at:

Part 1($18): http://www.lulu.com/shop/david-arnold/intermediate-algebra-text/paperback/product-20720788.html

Part 2 ($15): http://www.lulu.com/shop/david-arnold/intermediate-algebra-text-part-ii/paperback/product-20720776.html

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.

Resources Required:

1. Pencils and erasers **(pens may not be used in this class)**.
2. Ruler or straightedge.
3. **Graphing calculator.**
4. Graph Paper.

Recommended

1. Math Lab
2. I would recommend forming study groups. They are a great way to study for exams and do homework problems.
3. The Math 120 course page: http://msenux2.redwoods.edu/mathdept/courses/math120.php
4. Math 120 movies: http://msenux2.redwoods.edu/IntAlgMovies/

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. **Turn off cell phones before entering the classroom**.

Exams

There will be 4 in-class or take-home exams each worth 10% and a cumulative final exam worth 20% of your final grade, respectively. I will notify you at least one week in advance as to the date of each exam (see course schedule). Before each exam, you will receive a study guide and practice exam/problems. All exams need to be taken on the scheduled date. There will be no make-ups on any exam. **The final exam must be taken on the scheduled day and time, no exceptions.**

Final Exam: Monday, May 9th from 8:30– 10:30 AM

Homework

Written homework will be assigned for each section and is due at the beginning of each week for the sections covered the previous week (see course schedule). **Homework for each section will be turned in separately.** See the homework guidelines at the end of this syllabus. Your 3 lowest homework scores throughout the semester are dropped.

Late homework is NOT accepted.

Quizzes

We will typically have one quiz each week and will vary in presentation. They may take the form of a take-home worksheet, a single-question on a half-sheet of paper, or a 15-20 minute assessment. They may be announced **or unannounced (i.e. a pop quiz)**.

Calculator Use

A good graphing calculator is required for this course. The calculator must be able to plot graphs of functions and solve equations numerically. The TI-83 + or TI-84+ is an excellent, easy-to-use calculator which meets these requirements and are the standard calculators used in other math classes at College of the Redwoods. However, if you already have a good graphing calculator that meets the above requirements you may use that one. If you don't have a graphing calculator and don't wish to purchase one, you may rent one from the Math Department for $25 a semester.

Grades

Your final grade will be determined as follows:

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

The grade breakdown is as follows:

A	93 - 100%	C+	77 - 79%
A-	90 - 92%	C	70 - 76%
B+	87 - 89%	D	60 - 69%
B	83 - 86%	F	0 - 59%
B-	80 - 82%		

Mathematics Department Policy Regarding "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" automatically.

Guidelines for Homework

There will be a homework assignment associated with essentially each class meeting. In general, work to finish your homework before the next class meeting. That way you will have time to get help before the homework is due.

Here are some very general instructions for how I want you to do your homework:

1. Label each homework assignment clearly in the center at the top of the page with the assignment number: "HW #1" or whatever number it is.
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.
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.

THIS SYLLABUS IS SUBJECT TO CHANGE