Syllabus for _Math 120: Intermediate Algebra_ – Eureka Campus	
Semester & Year	Fall 2016
Course ID and Section #	Math-120-E0304
Instructor's Name	Kyle Falbo
Day/Time	MWF 1:15-2:40pm
Location	SC 210
Number of Credits/Units	4.0
Contact Information	_Office location_ None Available to Associate Faculty _Office hours_ Available upon Request _Phone number_ None Available to Associate Faculty _Email address_ kyle-falbo@redwoods.edu
Textbook Information	_Title & Edition_ Intermediate Algebra _Author_ College of the Redwoods _ISBN_ None

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: 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 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/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. Available on disk or online (http://msenux2.redwoods.edu/IntAlgText)You can also buy a printed copy from Lulu.com or the bookstore. Check out your options at http://msenux2.redwoods.edu/mathdept/courses/MathTextbooks.html.

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.
In this course we will:

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.

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 cashiers office and pick it up from Betsy Buchanan in the ASC. Also, check local pawn shops, Craigslist, Ebay, etc. Cell phones are not allowed to be used as a calculator.

You will need 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 need a binder to keep your notes and work in.
You will need lots of pencils and erasers. No Pens Allowed!

Classroom Environment:
It is expected that everyone involved in this class, teacher and students alike, will act in a manner conducive to providing a comfortable environment for learning, a classroom where students feel free to ask and answer questions without fear of embarrassment or ridicule. It is important to stay on task when class is in session. Hence, conversation not pertaining to the subject at hand should be taken outside the classroom. I understand that students will have to get up and leave the room for various reasons and I also understand that students will arrive late from time to time. However, courtesy requires that you enter and leave as quietly as possible, without disturbing discussion or lecture. It is essential for student success to maintain a good environment in the classroom. If you have any personal difficulties with the learning environment in the classroom, please visit me outside of class to discuss them.

Homework:

Having a consistent approach to presenting mathematics is important to both you the student as well as to those that may read your mathematics. In this course homework will be presented in two ways. In the beginning of the semester, handwritten assignments will be emphasized with submissions for each section. In addition to this an Optimath assignment will be given for each chapter. Later in the semester we will emphasize Optimath assignments with a written assignment given for each Chapter. It is expected at this point that you will be diligent in following the following Homework Guidelines for written submissions.

1. Homework is to be completed in pencil only. No pen!
2. Homework is to be presented neatly with plenty of room for any comments from the grader. Please do not have any more than 2 columns of work on any one page.
3. Mathematics is to be done vertically down the page, not horizontally across the page.
4. You should be stating both the question as well as any relevant directions for each problem.

Example:
Problems 1-7: Simplify the following

1. $5(x - 7) + 3(y + 4)$

   $= 5x - 35 + 3y + 12$

   $= 5x + 3y - 23$

5. Only submit assignments that are due, when they are due. Do not submit any section early or late. They will not be accepted or graded.
6. Submit your work in chronological order.

Additional guidelines for graphing will be provided during the semester.

Quizzes/Activities:

Timed around each exam will be a small Project that explores applications based on the material in the course. You are encouraged to work together on these projects, although each student will need to submit their own work. You will be given some in class time to work on these assignments.

The instructor maintains the right to quiz the students at any point during the semester. While this will not be done regularly, it is a tool primarily used to gauge student participation during lecture and homework assignments.

Exams:

There will be 4 in class exams given in addition to the final exam. These dates are already fixed in the course schedule. Please plan your travel plans accordingly. There will be in class time for review prior to each of these exams. Please come to these review sessions prepared with questions that you may have.
<div align="center">**NO MAKEUP EXAMS WILL BE GIVEN**.</div>

Final Exam:

A two hour comprehensive final exam will be held in class on Wednesday, December 14th from 1:00–3:00pm. Please plan travel plans accordingly.
<div align="center">**NO MAKEUP FINAL WILL BE GIVEN**.</div>

Attendance:

While regular attendance will not be recorded past the Census date, be aware that any student missing 6 or more classes may be dropped from the course without warning. Since homework is regularly collected in class, it is in your best interest to attend regularly as well. If you are the type of student who does not enjoy coming to class regularly and participating, you may want to consider taking a different course.

Grade System:
Quizzes/Homework/Activites: 25% of final grade
                   4 Exams: 10%, 12%, 13%, 15% respectively of final grade
              Final Exam: 25% of final grade

Grades will be assigned as follows:

95 - 100%	A
90-95	A-
87-90	B+
83-87	B
80-83	B-
76-80	C+
70-76	C
60-69	D
Below 60%	F

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.

Study Groups:
I highly encourage you to form your own study groups. Communicating mathematics to each other is by far the best way for the material to solidify within you. Additionally you will get to know each other better and be social which, in all honesty is what college is all about any way.

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 kyle-falbo@redwoods.edu