Syllabus for Intermediate Algebra– Eureka Campus

Semester & Year	Spring 2016	
Course ID and Section #	Math 120 E9083	
Instructor's Name	Robin Carter	
Day/Time	Tuesday, Thursday, Friday 11:40AM-12:55PM	
Location	SC 210	
Number of Credits/Units	4	
Contact Information	*Office location*	
	Office hours	
	Phone number	
	Email address	robin-carter@redwoods.edu
Textbook Information	*Title & Edition*	Intermediate Algebra
	Author	College of the Redwoods Math Dept.
	ISBN	

Course Description
A course in which functions are investigated graphically, numerically, symbolically and verbally. Linear, quadratic, polynomial, rational, radical, exponential, and logarithmic equations and functions are explored. Technology is integrated into all aspects of the course.
Prerequisite: MATH380 Elementary Algebra (or equivalent) with a grade of "C" or better, or appropriate score on the math placement exam.

Student Learning Outcomes
1. Evaluate and interpret general functions symbolically, numerically, and graphically.
1. Produce an accurate graph of each function type introduced in the course, identifying and plotting all salient features.
2. Demonstrate appropriate use of technology in analyzing the behavior of functions presented in the course.
3. Use mathematical models to analyze and interpret real-world situations.
4. 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.

Attendance In algebra, each new concept is dependent upon a previous set of concepts. Thus, to really succeed in a math class, you need to attend every class meeting, because missing one class will surely cause a hole in the sequence. But if you have to miss class, make arrangements with a fellow student beforehand to get any notes or materials covered that day. Remember, you are responsible to learn the material for each class period, even if you can't attend, but active class participation will contribute positively to your course grade, and increase your skill.

Check the course website on Canvas to keep up with class lecture materials.

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 by the Friday of the tenth week of courses, due to the severely diminished likelihood of a successful outcome in the course.
If you are no longer attending class, it is your responsibility to drop the course. Login to WebAdvisor to drop the course, or, visit the CR Registration office and tell them you want to drop the course. That way, you will receive a W Withdraw rather than a failing grade.

Textbook The Intermediate Algebra textbook is available free online at:

http://msenux2.redwoods.edu/IntAlgText/

Download files
Print versions are available in two volumes at:
Part 1($18): http://www.lulu.com/shop/david-arnold/intermediate-algebratext/paperback/product-20720788.html
Part 2 ($15): http://www.lulu.com/shop/david-arnold/intermediate-algebra-text-partii/paperback/product-20720776.html

About 38 copies are available for semester long check-out at the library and at least 2 copies will be available to check-out for 2 hour increments throughout the semester.

Calculator A scientific calculator with a graphing package is required for the course.
The TI-83+ or TI-84 are HIGHLY recommended.

You can buy a used one at the pawn shope, or, you can also rent one for the semester for $15.

The Mathematics Department has a limited number of calculators that it rents to students each semester. There is a one-time, non-refundable fee of $15. To rent a calculator, please follow these steps:

1. Go see Betsy Buchanan in the Mathlab in the Academic Support Center in the Library. Ask her if there are any more calculators available.
2. If there still are calculators available, go to the Cashier's office in the Student Services Building (2nd Floor), pay the $15, then bring the receipt to Betsy Buchanan in the Math Lab (in the ASC). She will have you fill out the rental contract and give you a calculator.
3. Note that students will be charged a $100 replacement fee if the calculator is lost, damaged, or not returned for any reason at the end of the semester.

Assignments Exercises for each section are located online at OPTIMATH.
http://msenux2.redwoods.edu/cgi-bin/online/s16/OTportal.cgi

OPTIMATH assignments are due by each Thursday night at 11PM.

Instructions to login are here:
http://msenux2.redwoods.edu/online/optimath.html

You can do the assignment as many times as you want before the due date to get the best score possible. After the due date, I will collect the best score to record in the gradebook.

We will use OPTIMATH in class. If you would like to use your own system to access OPTIMATH, you will need to configure your computer with the Adobe Reader plug-in and set your browser to allow

OPTIMATH.

Instructions for configuring your computer to use OPTIMATH are here:
http://msenux2.redwoods.edu/online/sysreq.html

Students who require more practice can do the odd-numbered textbook problems where answers are provided in the back of the section.

If you miss an assignment, and do not complete it by the due date, you will receive a zero score.

The lowest couple of assignment scores will be dropped at the end of the semester when computing the Assignment grade.

Tests There are three in-class chapter tests and one cumulative final exam for the course.

Test 1 on Chapters 1, 2, 3 on Elementary Algebra Review and Linear Functions
Test 2 on Chapters 5 and 6 on Quadratic and Polynomial Functions
Test 3 on Chapters 7 and 8 on Rational and Exponential Functions
The Final Exam tests all course material.

There are no make-up exams. If you are sick, out-of-town, or have a flat tire, miss the bus, you will skip that test. At the end of the semester, I will drop your lowest test score, and replace it with the Final Exam score, if the Final Exam score is higher. If you missed a test, that will be the score I drop, and we will replace the missing score with your final exam score.

If you have special accomodations to take tests in the Testing Center, you will need to make an appt to take the test such that you finish the test by 11AM on the day of the test and I will pick up your exam promptly after that. Thus, begin your test by 8:30AM on the day of the test. Appointments are recommended.

Grade A course grade is assigned based your Assignment and Test scores

Assignments	40%
Tests	45%
Final Exam	15%

In assigning course letter grades, the AP Slide will apply: Attitude and Participation will determine if borderline grades slide up or slide down.

CANVAS Instructional materials including links to textbook and OPTIMATH will be located on the Mathe 120 E 9083 Canvas website. Find due dates and important course events in the calendar section.

Getting HELP Don't be shy about asking for help. There are FREE resources available.

Excellent tutors are located in the Academic Support Center located in the library. You need to check in at the ASC desk and make an appointment to meet with a tutor. Private sessions are available for free.

Forming a study group with other students in your class is a great way to learn math. Helping each other is important for when you verbalize the process, you really know whether you know it or not.

Math Lab Getting HELP There are free resources available for extra help. If you have questions, please get help!

There are many options, first and foremost is signing up for Math Lab, which gives you access to the walk-in math assistance center located in the back of the Learning Resource Center.

Sign-up for Math 120L: Math Tutoring Lab.

Math Lab is a "class", so log-in to WebAdvisor and register for the 1-unit or 0.5-unit section.

To receive the 1 unit of "credit" you must log 45 hours of documented attendance by the end of the semester (only 22.5 hours for 1/2-unit). This means you need to go to the Math Lab for at least 45 hours over the 15-week semester (final exam week is not counted). You can sign up for 0.5 -unit and change to 1-unit later if you choose to.

For math lab, you will sign a contract and complete a survey on study skills to get the credit for Math Lab. It is a Credit/No Credit course, i.e., so completing the requirements will give the math credit, but there is no grade for Math Lab.

Math 252: This is a non-credit alternate version of Math Lab. You get the same drop-in tutoring help, with the same hours, but this is -0- units and there is no time requirement.

GUID 145: There is a special section of GUID 145 that specifically helps students with strategies for prealgebra. It meets twice a week, so you would get small-group tutoring with others in the same class.

One-on-one Tutoring: Any CR student can sign up to privately meet with a tutor for free. Contact the Academic Support Center ASC. (You do not need to be registered in Math Lab for this.)

Tutors in special programs (for example at the Light Center, or through EOPS)

Other students – form study groups. You can contact classmates via discussion forums or email. Forming a study group with other students in your class is a great way to learn math. Helping each other is important as when you verbalize the process, you really know whether you know it or not. That's a lot of study!