

## Syllabus for: Intermediate Algebra

<b>Semester &amp; Year:</b>	Spring 2015
<b>Course ID and Section Number:</b>	Math-120-E7624
<b>Number of Credits/Units:</b>	4
<b>Day/Time:</b>	Monday, Wednesday and Friday/11:40-12:55
<b>Location:</b>	HU 215
<b>Instructor's Name:</b>	Ward Nickle
<b>Contact Information:</b>	Office location and hours: SC 216G before class Phone: 476-4100 Email: ward-nickle@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) :**

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.

**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://redwoods.edu/District/Board/New/Chapter5/AP%205500%20Conduct%20Code%20final%2002-07-2012.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 homepage.

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.

<u>Grading</u>	Homework	25%
	Online Quizzes	15%
	Attendance Quizzes	10%
	Midterm 1	15%
	Midterm 2	15%
	Final Exam	20%

Text                      The text is available for free at the following link:  
<http://msenux.redwoods.edu/IntAlgText/>

### Participation

Attendance is absolutely critical for success in this course. If you have excessive absences you may be dropped from the course. While it is college policy that attendance cannot be used to determine grades, participation can be used in this way. I will use participation to determine whether a student who is at the threshold (within 2%) of a higher grade should receive it or not.

### Attendance

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.

### Homework Policy

All homework assignments will be online. Online assignments will be completed through Optimath, a locally written testing system. The testing system is located at:

<http://msenux.redwoods.edu/optimath>

More information about Optimath, including how to log in and correct syntax, is available at:

<http://msenux.redwoods.edu/mathdept/docs/student/optimathinfo.html>

Homework is available at the end of each class and is due by the next class meeting. You will be able to ask questions in class and retry your homework repeatedly until the due date. Only your highest score from each assignment will be used in the calculation of your grade.

### Quizzes

There will be a quiz at the end of each chapter. The quizzes will be available online for 3 days. The quizzes are comprehensive and may only be attempted twice. There will also be short attendance quizzes given in class approximately weekly.

### Exams

There will be two midterms and a cumulative final exam. The first and second midterms will cover Chapters 1-3, and 5-7, respectively.

### Resources

If you have questions about your homework you can visit my office hours or you can find help at the Math Lab. In order to enjoy the benefits of the Math Lab, you must enroll in 0.5 to 1 unit of Math Lab. Additionally, there is individual tutoring available through the Academic Support Center.

THERE WILL BE NO MAKE UP EXAMS EVER. PLEASE PLAN ACCORDINGLY.

### Grade Assignment

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