

Syllabus for Math 301/302/303 ~ Algebra Review

Course Information

Semester & Year:	Spring 2020
Course ID & Section #:	Math 301 – E7536 – Prealgebra Review Math 302 – E7543 – Elementary Algebra Review Math 303 – E7546 – Intermediate Algebra Review
Instructor's name:	Amber Buntin
Day/Time or *Online:	Mon/Wed 2/3/2020 - 3/11/2020
Location or *Online:	SC 214 – Science Building
Number of units:	1 Unit

Instructor Contact Information

Office location or *Online:	SC 216K
Office hours:	Mon/Wed 1-2pm, Tues/Thurs 10-11am
Phone number:	707-476-4207
Email address:	Amber-Buntin@redwoods.edu

Required Materials

Textbook title:	None
Other requirement:	Online Assignments: https://www.myopenmath.com/ Materials: Composition notebook or lined paper, a binder, a basic calculator (if you have one), and pencil and eraser.

Catalog Description

Math 301

A review course covering material from Math 276/376 (Prealgebra). This review course is designed for students preparing to place into Math 380 (Elementary Algebra). Content includes: review of arithmetic operations involving fractions, decimals, and signed numbers; review of problem-solving strategies for problems involving ratios, percents, and geometry; review of basic algebra concepts; review of techniques for simplifying algebraic expressions and solving linear equations.

Math 302

A review course covering material from Math 380 (Elementary Algebra). This review course is designed for students preparing to place into Math 120 or Math 194 (Intermediate Algebra). Content includes: review of linear equations and linear inequalities in one variable; review of linear equations in two variables; review of systems of linear equations; review of integer exponents and polynomials; review of factoring; review of radical expressions and equations.

Math 303

A review course covering material from Math 120 (Intermediate Algebra). This review course is designed for students preparing to place into a transfer-level mathematics course. Content includes: review of linear equations and inequalities in one variable; review of logic; review of linear functions; review of quadratic and polynomial functions; review of rational functions; review of exponential and logarithmic functions; review of radical functions.

Course Student Learning Outcomes

Math 301

1. Demonstrate the skills required to pass the placement exam for entry into Elementary Algebra. Skills to be assessed include: operations with rational numbers, solving algebraic equations, and basic

Math 302

1. Demonstrate the skills required to pass the placement exam for entry into Intermediate Algebra. Skills to be assessed include: solving linear equations, graphing linear equations, polynomials and factoring, and simplifying radical expressions.

Math 303

1. Demonstrate the skills required to pass the placement exam for entry into a transfer-level mathematics course. Skills to be assessed include: linear equations and inequalities in one variable; logic; functions; quadratic and polynomial functions; review of rational functions; exponential and logarithmic functions; radical functions.

Evaluation & Grading Policy

This is a Pass/No Pass course and grade is based on attendance and participation for all classes.

Prerequisites/co-requisites/recommended preparation

None

Changing Preferred Name in Canvas

Students can have an alternate first name and pronouns to appear in Canvas. Fill out the [Student Information Update form](#) and turn in to [Admissions & Records](#). Your Preferred Name will only be listed in Canvas. It does not change your legal name in our records.

Emergency Procedures/Everbridge

College of the Redwoods has implemented an emergency alert system called Everbridge. In the event of an emergency on campus you will receive an alert through your personal email and/or phones.

Registration is not necessary to receive emergency alerts.

- Check to make sure your contact information is up-to-date by logging into WebAdvisor <https://webadvisor.redwoods.edu> and selecting 'Students' then 'Academic Profile' then 'Current Information Update.'
- Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions. For more information see the [Redwoods Public Safety Page](#).

Math 301/302/303 ~ Algebra Review

Mon/Wed – 2:50-4:10pm – SC 214

Instructor Contact Info

Amber Buntin, Professor, Department of Mathematics

Email: amber-buntin@redwoods.edu **Canvas message is the preferred way to contact me!**

Phone: 707-476-4207

Office hours (SC 216K): By appointment!

Math Lab Hours (Located in the back of ASC): The drop-in Math Lab is typically open Mon-Thurs 10-5pm and Friday 10-3pm during the regular Fall/Spring semester. **Link to check open hours during any given semester:** <https://www.redwoods.edu/math/Lab>

***Note: You must be **signed up** for Math 252 (FREE non-credit) or Math 52 (Credit) to utilize the math lab. In the Math Lab there are little red flags on the tables that you raise when you have a question.

Classroom Environment and Attendance

It is essential to our class that both the students and teacher behave in a manner that will provide a comfortable learning atmosphere. Be respectful to one another. You should not hesitate to ask questions nor feel embarrassed to ask for help.

You are expected to arrive on time and to leave upon dismissal. Arriving late or leaving before class is dismissed is disruptive and disrespectful to other students as well as your teacher. Please be prepared with your headphones put away and cell phones SILENCED.

You are expected to show up for ALL days of class and stay the whole time to receive credit for the course.

Class Information and Expectations

During our class, each student will be provided a computer to work through self-paced online review modules within an online homework system. You MAY bring your own laptop if you like. During class, I will be circulating around the classroom to answer questions, give mini lessons/lectures on topics that tend to give students trouble.

Required Materials

Please come to class daily with a composition notebook or lined paper, a binder, a graphing calculator (if you have one), and pencil and eraser. Bring a laptop if you have one you'd like to use to complete the online review assignments.

Canvas

I will send communications via canvas. I may use our course canvas page to post documents, handouts, review worksheets and more. Be sure to turn on your notifications if you'd like to be notified about changes to the canvas page.

Link to Canvas: <https://redwoods.instructure.com/>

Course Work

Online Assignments: <https://www.myopenmath.com/>

The course will proceed as follows:

- You will need to **choose a level of review** to enroll in:
 - Prealgebra Review, Elementary Algebra Review, OR Intermediate Algebra Review
- Each review course on these pages is broken up into 6 modules.
- Each module has 2 or 3 skills (labeled A, B, ...) to be reviewed.
- Each skill has a PDF text file, with examples, explaining that particular skill.
- Each skill has some exercise sets for practice available on [MyOpenMath](#), our online testing system and some have corresponding videos as well.
- After reviewing and practicing each skill within a module, complete the Module Completion Quiz available in [MyOpenMath](#).

Tips for Math Success

- ✓ Read your text. It is best if you read the section of the text ahead of the scheduled lecture date on that topic.
- ✓ Be in class on time every day.
- ✓ Do your homework! Plan to spend at least 1-2 hours outside of class for every hour inside of class. That is the minimum investment of time for success in this course.
- ✓ Work with classmates. Mathematics is a social subject (but not a spectator sport). Working with fellow students helps in your own understanding of the ideas of the course.
- ✓ READ and KEEP your returned work. When you get work back, look for any remarks that I have made. Keep your work in a binder to keep a record of your scores. This is to make sure I correctly enter your grades.

Tutoring Options – Improve Math Course Success!

The Math Tutoring Lab:

The math lab is located in the ASC in back of the Library. Sign up in webadvisor & show up first day of class (if possible) to fill out paperwork. **Sign up in webadvisor for one of the courses below & show up first week of class to fill out paperwork.** Course options:

- **MATH 252** Open Mathematics Lab. This is a FREE, no credit option to get drop-in math tutoring in the math lab. **If you do NOT need units** or you want math help but cannot fulfill hour requirements for mathlab, then this is the option for you!
- **MATH 52** Math Lab for your future math course. Register in webadvisor for this for-credit drop-in tutoring course held in the math lab. Available for .5 unit (22.5 hours ~ 1.5 hrs a week req) or for 1 unit of credit (45 hours ~ 3 hrs a week req). Math lab is located in the ASC in back of the Library.

Other Tutoring Options:

- **FREE ASC tutoring** by appointment. Call **707-476-4106** or **707-476-4154**.
- **EOPS Tutors.** You must be part of EOPS (Extended Opportunity Programs and Services) to receive this tutoring. Please contact your EOPS counselor to set up tutoring. If you are unsure if you are eligible for EOPS, call them at **707-476-4270** check out their webpage: <https://www.redwoods.edu/eops>
- **LIGHT Center Tutoring.** Please contact the LIGHT center if you are interested in their tutoring services. There is a GUID course you must enroll in to receive services. **Phone:** 707-476-4290 **Webpage:** <https://www.redwoods.edu/dsps/Light-Center>
- **OPTIMATH** practice assignments give immediate feedback and written out solutions: <http://msenux2.redwoods.edu/optimath>
- The **CR Math Jam** webpage is a great way to prepare for exams and contains lessons as well as OPTIMATH assignments: <http://msenux2.redwoods.edu/mathjam/?s=public>
- **Private tutoring** is always an option but is of course more costly. If you are interested in hiring a private tutor, let me know and I will ask around to see if I can find anyone!

Review Resources & Links

(Open syllabus thru canvas to click links directly)

FREE College of the Redwoods Textbooks

Prealgebra Textbook (Math 376): <http://msenux2.redwoods.edu/PreAlgText/>

Elementary Algebra (Math 380): <http://msenux2.redwoods.edu/ElemAlgText/>

Intermediate Algebra (Math 120): <http://msenux2.redwoods.edu/IntAlgText/>

***Some of the more advanced classes have books on reserve in the library and some of them can be checked out for use for the entire semester. Ask your instructor and/or the library depending on what course you are enrolled in. ***

Online Studying Resources

College of the Redwoods Math Review Page (for Self-Paced Review):

<http://msenux2.redwoods.edu/mathjam/?s=public>

KUTA worksheets with solution keys (Prealgebra to Algebra II, & Geometry):

<http://www.kutasoftware.com/>

More Math Worksheets with Solution Keys (Mainly Arithmetic and Prealgebra):

<http://www.superteacherworksheets.com/>

Videos on MANY math topics (Prealgebra to Calculus):

<http://www.onlinemathlearning.com/calculus.html>

Tutorials created by students for students (Elementary Algebra):

<http://www.mathpower.codm/tutorial.htm>

Many of the above pages have topic lists down the left-hand side and you must search for worksheets/videos by topic.

***** Syllabus Subject to Change *****
