

Syllabus for Math 101/252

Algebra Review for Introduction to Chemistry

Course Information

Semester & Year:	Summer 2020
Course ID & Section #:	Math 101 – V1162 – Alg. Review for Intro to Chem (credit) Math 252 – V1206 – Alg. Review for Intro to Chem (non-credit)
Instructor's name:	Amber Buntin
Day/Time or *Online:	Online, Zoom sessions: Mon 1:00-2:00pm Short term course: 6/1/2020-7/6/2020
Location or *Online	Course Canvas Shell: https://redwoods.instructure.com/
Number of units:	Math 101 – 0.5 Unit Online Lecture Course Math 252 – 0 Units (Free non-credit course)

Instructor Contact Information

Office location or *Online:	Online
Office hours:	By appointment, Canvas message me!
Phone number:	707-476-4207
Email address:	Amber-Buntin@redwoods.edu

Required Materials

Textbook title:	None
Edition:	
Other requirements:	Online assignments, worksheets and lessons will be given in class modules. Scientific calculator required.

Catalog Description

Math 101 Course description:

A review course for students who have successfully completed course work in elementary or intermediate algebra. This review course will include topics from elementary and intermediate algebra and can be used as a refresher prior to enrolling in the next math course. This course can help students raise their level of math readiness. The level and depth of review will be adjusted to suit the individual student's needs. Note: This is a review course. Extensive work on a computer homework system will be required.

Math 252 Course description:

A course offering instructional support to students needing help in mathematics in a self-paced lab environment. This course supports basic skills mathematics and mathematics-related classes. Students receive one-on-one and small group instruction to enhance success in mathematics across the curriculum.

Course Student Learning Outcomes

Math 101 Course Learning Outcomes:

1. Read, write, and speak accurately about mathematical ideas and use correct mathematical notation.
2. Perform symbolic manipulations to solve problems and communicate mathematics.

Math 252 Course Learning Outcomes:

1. Analyze problems in mathematics or mathematics-related courses.
2. Apply strategies to plan and complete assignments on time

Student Feedback Policy

- The instructor will maintain frequent contact with the class and will respond to questions within 48 hours, unless announced absence to due illness, etc.
- The instructor will be part of the weekly discussion forum, providing feedback and discussion prompts.
- Lecture videos, notes, and practice problems will be provided for learning course material. These materials will be created by me as well as off of respectable you tube channels.
- Students will receive feedback on online homework instantly.
- Homework, discussion forums, and quizzes are typically graded within one week of the due date.

Proctored Exams

There are no exams in this course.

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.

Special Accommodations Statement

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 accommodations, please see me or contact [Disability Services and Programs for Students](#). Students may make requests for alternative media by contacting DSPS based on their campus location:

- Eureka: 707-476-4280, student services building, 1st floor
- Del Norte: 707-465-2324, main building near library
- Klamath-Trinity: 530-625-4821 Ext 103

Student Accessibility Statement

These standards are required by federal regulation. Students will have access to this course that complies with the Americans with Disabilities Act of 1990 (ADA), Section 508 of the Rehabilitation Act of 1973, and College of the Redwoods policies. Course materials will include a text equivalent for all non-text elements; videos will include closed captioning, images will include alt-tags, hyperlinks will use descriptive/meaningful phrases instead of URLs and audio files will include transcripts. All text will be formatted for use with screen readers and all course materials will be understandable without the use of color.

Students who discover access issues with this class should contact the instructor right away.

Math 101/252 ~ Algebra Review for Introduction to Chemistry

Online Course (Course numbers 051162/051206)
Zoom meetings Mondays – 1 ~ 2pm – 6/1/2020-7/6/2020

**This class is a combination of students registered in Math 101 (0.5 unit credit)
and students registered in Math 252 (non-credit).**

Instructor Contact Info

Amber Buntin, Professor 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, Canvas message me!

Virtual Math Lab: Access the Math Lab by registering for EITHER the credit bearing course, **Math 52 (0.5 unit)** or the **FREE non-credit Math Lab, Math 252 (0 units)** to access tutoring services through the canvas page for these courses. Link to check open hours during any given semester: <https://www.redwoods.edu/math/Lab>

Course Delivery

This course is delivered and taught 100% online; there are no required classroom meetings. Students are required to watch video lessons, participate in online discussions and submit coursework through Canvas. There will be weekly zoom sessions (Mondays 1-2pm, 6/1/2020-7/6/2020) that students are encouraged to attend for help on worksheets/activities and/or extra examples of recent material. These meeting will be recorded and posted for folks who cannot meet synchronously.

It is essential to our class that both the students and teacher behave in the virtual world (Canvas) in a manner that will provide a comfortable learning atmosphere. You are expected to be courteous to each other and to the instructor. You should not hesitate to ask questions nor feel embarrassed to ask for help in the canvas course or in live zoom sessions.

Virtual Presence and Participation

Virtual presence and participation are essential to the learning process as material builds daily in the canvas shell. Communication among you, your classmates and myself will occur frequently in discussion forums and virtual zoom meetings. An important aspect of this course is the incorporation of active learning including taking notes from video lectures, completing worksheets, activities, and quizzes and working with others. We will incorporate all of these in our online classroom. It is important that you communicate, participate, ask questions (lots of em), dialog with classmates in discussions etc!

Course Grade

Math 101 is a “Pass/No Pass” course; there is no option for a letter grade.

In order to receive a grade of “PASS” Math 101 students must:

- participate in individual and group online homework, activities, and discussion forums.
- Receive an average of at least 70% for online assignments
- attend class zoom sessions or watch the recordings.

Math 252 is a non-credit course and you can participate as much or as little as you wish. To get the most out of this course, I recommend you try all the class assignments and attend zoom sessions and participate in online discussions!

Student Commitment

Your commitment will require at least as much time as you dedicate to a traditional class. College of the Redwoods instructors are required to provide at least 54 hours of “work” during the semester for each unit of credit. Since this is a 0.5-unit course, you should expect to spend at least 27 hours on this course this semester. **This works out to at least 4 hours of effort on average each week.** Additionally, while I try to keep the workload evenly distributed during the semester, there may be some weeks which require more time than others depending on which assignments or activities are assigned that particular week.

Types of effort required for success:

- carefully read online lessons
- participate in online activities and watch online videos
- complete online and written work
- participate in online discussions

Conscientiousness, attention to details, and skills in reading and writing are critical for success.

Computer Skills

Online courses require adequate computer skills. You must be able to:

- navigate the course Learning Management System ([Canvas](#))
- receive and respond to your [CR email](#)
- download and upload files to the Canvas
- convert written work to a .pdf file
- use an online homework system MyOpenMath (MOM)

It is your responsibility to meet the technological demands of the course.

Technology Requirements

You should have high-speed internet (such as broadband) service from cable, DSL, or satellite providers as there are videos that require this speed. You need to have reliable access to the internet for the duration of the course. Anticipate problems with your computer and internet access (including power outages) by not waiting until the last minute to submit assignments. It is your responsibility to meet the class deadlines.

Portable Devices vs. Computers:

Although you can use up-to-date portable devices (such as Android or iOS phones & tablets) for some things, you should plan on doing the majority of your work (especially exams and assignments) from a reasonably up-to-date notebook or desktop computer (Mac or PC). **Do NOT plan to participate in this class solely from a portable device.** If you do decide to use your portable device for *some* of your class work, use the free Canvas app (called “Canvas by Instructure”) available in iTunes (for iOS) and the Google Play Store (for Android). You may also connect to Canvas using a web browser on a portable device, but it can be a bit finicky. Your experience with Canvas will be a lot better using the app.

Required Materials

Textbook:

No official textbook will be used in this course.

Material may be pulled from the following free online textbooks:

Prealgebra:	http://msenux2.redwoods.edu/PreAlgText
Elementary Algebra:	http://msenux2.redwoods.edu/ElemAlgText
Intermediate Algebra:	http://msenux2.redwoods.edu/IntAlgText

Other Materials:

- Web Camera and/or smartphone/tablet capable of taking photos
- Lined paper and graph paper
- Pencil, erasers, and straight edge
- A basic scientific calculator is required. You can also use a graphing calculator if your CHEM-2 instructor allows use in that course. TI-84 Graphing calculator is available to **check out for FREE for the summer** semester through the Library or you can download a comparable app to your device/computer.

Canvas

Our course canvas page will be updated regularly and will contain a variety of items such as: course announcements, class documents, review resources and much more. Be sure to turn on your notifications if you'd like to be notified about things like new announcements, changes. If you find you are getting too many (or too few) announcements, remember this is an individual setting that you must modify in Canvas.

You will be expected to check canvas regularly and be aware of announcements made.

Log into Canvas at <https://redwoods.instructure.com>

Password is your 8 digit birth date

For tech help, email its@redwoods.edu or call 707-476-4160

Canvas Help for students: <https://www.redwoods.edu/online/Help-Student>

Canvas online orientation workshop: <https://www.redwoods.edu/online/Home/Student-Resources/Canvas-Resources>

Faculty Withdrawal of Students

It is the policy of the College of the Redwoods Department of Mathematics to exercise a "Faculty Withdrawal" for any student who has missed more than 15% of the class meeting time (~4 days) due to the severely diminished likelihood of a successful course outcome. Missing 2 or more classes in the first two weeks of school may result in withdrawal as well.

It is important to note that, if it is your intention to withdraw from the course, you are responsible to ensure the proper paperwork has been filed – that is, you should not assume the teacher will file the "Withdrawal" automatically.

Tips for Success!

- ✓ Cultivate a positive attitude; Make friends and work productively together in groups.
- ✓ Participate in class online! – Attend class every time on-time and stay the whole time.
- ✓ Ask questions – lots of questions – to yourself, to classmates, to tutors and to the instructor.

Final Words

A few words about my expectations for you and myself in this course: My responsibilities include providing course content, assigning carefully chosen homework problems that are relevant to our course and carefully preparing questions that accurately measure your progress in the course. Additionally, I am responsible to be available to you for consultation in office hours (by appointment...just email me ☺). Likewise, I believe that you are ultimately responsible for your college education and I expect you to participate regularly, ask questions when needed and do your best to devote time to learning the course material. This involves keeping up with homework assignments, seeking additional help, either from me or from the many resources available to you, before it is too late.

Tutoring Options – Improve Course Success!

The Virtual Math Tutoring Lab:

The math lab is held virtually this summer.

Sign up in WebAdvisor for one of the courses below

- **MATH 252** Open Mathematics Lab. This is a FREE, no credit option to get drop into the virtual math tutoring 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 Transfer Level Math. Register in webadvisor for this for-credit drop-in tutoring course. Available for .5 unit (22.5 hours ~ 3 hrs a week req) this summer.

Other Tutoring Options:

- **NetTutor** is available in our canvas shell on the menu on the left once you enter our course.
- **FREE ASC tutoring** by appointment. Call **707-476-4106** or **707-476-4154**.
- **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/cgi-bin/online/s18/OTportal.cgi>
- 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!

Useful 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. ***

Useful 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.com/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** *****
