CR COLLEGE OF THE REDWOODS

Syllabus for Math 304/204
Algebra Review for Introduction to Chemistry

Course Information

Semester & Year:	Spring 2020
Course ID & Section #:	**Math 304** – E8732 – Alg. Review for Intro to Chem (credit) **Math 204** – E9005 – Alg. Review for Intro to Chem (non-credit)
Instructor's name:	Amber Buntin
Day/Time or *Online: Location or *Online	Mon/Wed 10:00-11:35am Short term: 1/22/2020-3/11/2020 Science Building SC 106
Number of units:	**Class contact hours throughout semester: 27 Hours** **Math 304** – 0.5 Unit Lab **Math 204** – 0 Units (Free non-credit course)

Instructor Contact Information

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

Required Materials

Textbook title:	None
Edition:	
Other requirements:	Worksheets and lessons will be given in class. Scientific calculator required.

Catalog Description

A review course (Credit and Non-Credit) covering material from algebra and geometry that students will need to be successful in Chemistry 2, "Introduction to Chemistry." Additionally, students will be able to practice new math skills used in Chemistry, such as unit conversions and significant figures.
Note: Students are encouraged to take this course the SAME semester they take Chemistry 2, "Introduction to Chemistry."

Course Student Learning Outcomes

1. Review and apply algebraic skills for application in chemistry

Evaluation & Grading Policy

Your final grade in this lab course (Pass or No Pass) is determined by active participation in class and completion of class/lab activities.

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.

Math 304/204 ~ Algebra Review for Introduction to Chemistry

Mon/Wed – 10:00 ~ 11:35am – 1/22/2020~3/11/2020
SC 106 (Course numbers 048732/049005)

This class is a combination of students registered in Math 304 (0.5 unit credit)
and students registered in Math 204 (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): Mon/Wed 1-2pm, Tues/Thurs 10-11am, and 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, Participation, 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 your fellow students as well as your teacher. Please be prepared with your headphones put away and cell phones SILENCED.

Class Information and Expectations

During our class, I will give math lessons on topics that are essential to success in CHEM-2. We will have an assortment of paper worksheets, activities, online assignments etc throughout the course. There will be some flexibility with topics covered based on student need. Students in this course can inform me what **math** topics they are struggling with in CHEM-2 and I can focus part of the lesson on that topic. We will also have study/work days throughout the semester where students work together to prepare for Chemistry exams.

Course Grade

Math 304/204 are "Pass/No Pass" courses; there is **no** option for a letter grade.

In order to receive a grade of "PASS" Math 304/204 students must:

- participate in individual and group lab-activities and written assignments.
- attend class daily and miss **NO MORE THAN 4 class sessions.**

Required Materials

Please come to class daily with a composition notebook or lined paper, a binder, a scientific or graphing calculator (if you have one), and pencil and eraser.

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. I can help to adjust your settings…just ask!

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.
✓ Come to class! – 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 coming to class prepared to teach you mathematics, giving clear lessons, assigning carefully chosen activities that are relevant to our course and carefully preparing questions that help deepen your understanding. Additionally, I am responsible to be available to you outside of class 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 come to class prepared, alert and motivated to learn the material. This involves keeping up with assignments, seeking additional help, either from me or from the many resources available to you here on campus, before it is too late.

Tutoring Options – Improve Course Success!

The Math Tutoring Lab:

The math lab is located in the ASC in back of the Library. **Sign up in webadvisor for one of the courses below & show up first week of class to fill out paperwork.** You can register for math lab mid semester, but if you register for Math 52, make sure you can fulfill the hour requirement.

Course options:

- <mark>MATH 252 Open Mathematics Lab.</mark> 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 Transfer Level Math. 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).

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 couselor 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/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!

Mathjam Math Review Courses:

These face-to-face review courses can help to review topics in Prealgebra through Intermediate Algebra. Search for the following courses in Webadvisor to register.

Concurrent Course Dates/Time: Mon/Wed, 2/3/2020-3/11/2020, 2:50-4:10pm

- MATH 301 – Prealgebra Review – E7536
- MATH 302 – Elementary Algebra Review – E7543
- MATH 303 – Intermediate Algebra Review – E7546

Useful Resources & Links

(Open syllabus thru canvas to click links directly)

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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. ***

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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.**

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