Syllabus for MATH 304

Course Information

Semester & Year:	Summer, 2021
Course ID & Section #:	Math-304-V2150
Instructor's name:	Trevor Keiber, PhD
Course units:	1

Instructor Contact Information

Office hours: By Appointment
Email address: trevor-keiber@redwoods.edu

Catalog Description

A review course 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.

Course Student Learning Outcomes *(from course outline of record)*

1. Review and apply algebraic skills for application in chemistry.

Prerequisites/co-requisites/ recommended preparation

The material in this class is designed to assist students with CHEM-2. Let me know if you are not taking this class concurrently.

Accessibility

College of the Redwoods is committed to making reasonable accommodations for qualified students with disabilities. If you have a disability or believe you might benefit from disability-related services and accommodations, please contact your instructor or Disability Services and Programs for Students (DSPS). 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

During COVID19—DSPS will email approved accommodations for distance education classes to your instructor. In the case of face-to-face instruction, please present your written accommodation request to your instructor at least one week before the needed accommodation so that necessary arrangements can be made. Last minute arrangements or post-test adjustments usually cannot be accommodated.

Support for online learners during COVID-19

In response to COVID-19, College of the Redwoods moved the majority of its courses online to protect health and safety. As the faculty and students adjust to this change, clear communication about student needs will help everyone be successful. Please let me know about any specific challenges or technology limitations that might affect your participation in class. I want every student to thrive.

Evaluation & Grading Policy

Math 304 (the *credit* version of this course): If you are taking this course for *credit* then you need to score 66% or more on the course assignments.

Math 204 (the *non-credit* version of this course): If you are taking this course for *non-credit*, then it is advisable to to get 70%+ on all Comprehension Quizzes, but any level of participation in this course fulfills your obligation.

The material for this course is arranged into Modules of content, which presents a series of small lessons with practice problems that works you through a topic that you need to be successful in Chem 2. Each module will contain the following:

Lessons - video and/or reading lessons to introduce you to a topic

Practice Problems - a set of problems that gives you a chance to practice the concepts you just learned about.

Checkpoint Quizzes - a final comprehension quiz for the module that gauges how well you are doing in that topic. You want to set a goal of getting 70% or higher on these quizzes before moving on.

Support Sessions - Each week I will hold two (optional) support sessions using Zoom. Everyone is invited! I will answer questions and provide extra practice for the topic that is being covered that week. If you are struggling to get a 70%+ on the quizzes, then I strongly recommend that you attend a session!

Schedule

Date	Week #	Topic
06/01	1	No Class
01/25	2	Arithmetic of large numbers and Scientific Notation
02/01	3	How to Convert Units and Dimensional Analysis
02/08	4	Mole calculations
02/15	5	Thermodynamic calculations
02/22	6	Graphs + Formulas
03/01	7	Geometry and Logarithms
03/15	8	Review