

Instructor

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Course Overview

In this course we will learn about a variety of topics related to chemical substances and how they are isolated and quantified. We will explore subjects including free energy, kinetics, acid/base equilibria, thermodynamics, electrochemistry and atmospheric chemistry.

Office Hours

MW 2:00 – 5:00 pm
Tuesdays I am also generally available from 9 am to 2 pm

Required Materials

Chang, R. *Chemistry* 12th Edition, ISBN 9780078021510 (older editions are also acceptable)
one-semester access to Sapling online homework (cost \$42)
scientific or graphing calculator

Grading

online homework	10%
group quizzes	6%
exams	60%
<u>final exam (cumulative)</u>	<u>24%</u>
TOTAL	100%

Grades will be assigned as

A	93-100%	B	81-86%	C	69-75%	D	59-63%
A-	90-92%	B-	78-80%	C-	66-68%	D-	54-58%
B+	87-89%	C+	76-77%	D+	64-65%	F	< 54%

online homework

Sapling online will be utilized for homework assignments. Due dates will be posted on the course Canvas site. Please complete all homework assignments on time; late homework will be assessed a 10% penalty per day.

group quizzes

Roughly once a week I will hand out a group quiz. The quizzes will be open-book and open-note, and you will be encouraged to work on the quiz in a small group (3 to 4) with your classmates. The purpose of the quiz is to break up the lecture time and give you an opportunity to apply the concepts that were just discussed in class that same day or within the same week. It will give me a chance to assess your grasp of the material and give you some extra practice beyond the assigned homework.

exams

There will be 4 exams given during the term; the lowest exam grade will be dropped. Exams will be announced at least one week in advance and will be made available outside my office so that you may pick up your exam anytime you are ready to take the test. All exams must be taken in Guion, unless unforeseen circumstances such as a power outage, fire alarm or personal illness occur (please notify me immediately). Exams will be open-book and open-note; you may use any course materials, online or paper. However, each exam is to be an individual effort. Receiving help from a tutor, classmate, or any other person while taking an exam is not allowed. All students are expected to abide by the guidelines of the SBC honor code.

Generally a two-to-three day window will be provided during which you may come in to take an exam. No make-up or late exams are allowed unless there are extenuating circumstances such as a serious personal illness, medical or family emergency. If one of such circumstances does occur, please notify me by e-mail as soon as possible. I may respectfully request to see a physician's note or other supporting information for documentation purposes. If you have an athletic event or college-sponsored performance that will make it unreasonable for you to take an exam during a prescribed time window, please notify me at least one week ahead of time so that an arrangement can be made if necessary.

final exam

The final exam will be cumulative. However, it will also be open-book, open-note.

Class Attendance and Decorum

Regular attendance is vital to your being able to grasp the concepts. If you're not in class, you miss seeing the concepts explained, and the chance to ask questions about the material immediately after it is presented. Missing class on the day a group quiz is given will result in a zero for that quiz.* Also please arrive on time; repeatedly showing up to class late is disrespectful and disruptive. If you miss more than 2 classes or are repetitively late, I will report this to your academic advisor and the Dean's office.

*unless you are ill, have a family/medical emergency or have a college-sponsored event and have informed me via e-mail

You may use tablets or laptops in class provided that you are using them for access to course materials only (e.g. the course Canvas site or an electronic version of the textbook). I respectfully ask that you not use your cell phone during class. Please be respectful during class time and come prepared to listen and take notes. I will do my best to make the lecture as engaging as possible.

Learning Difficulties

Sweet Briar College is committed to upholding and maintaining all aspects of the federal Americans with Disabilities Act of 1990 (ADA), as amended in 2008, and Section 504 of the Rehabilitation Act of 1973. If you are a student with a disability and wish to request reasonable accommodations, please contact the Office of Accessibility Services accessibility@sbcc.edu for an appointment. Because many accommodations require early planning, requests for accommodations should be made as soon as possible.