

Instructor: Abraham L. Yousef, Ph.D. class times: MWF 8:30 – 9:30 am
Office: Guion 223 Guion 101
e-mail: ayousef@sbcc.edu office hours: TWR afternoons¹

Course Description

This course is an introduction to chemical principles, and it is open to students having appropriate backgrounds in science and mathematics. Areas of emphasis include chemical equations and reactions, stoichiometry, acids and bases, gas laws, kinetic molecular theory, energy changes, electronic structure of atoms, quantum theory, periodic relationships, molecular structure and bonding and an introduction to organic chemistry. Applications of modern chemistry are discussed whenever appropriate and are explored in the associated laboratory course.

Required Materials

Chang, Raymond; Goldsby, Kenneth A. *Chemistry* 12th Ed. McGraw Hill, © 2016.
You will also need to purchase a subscription to Sapling Learning online homework system. A scientific or graphing calculator is strongly recommended.

Grading Scheme

<i>Quizzes</i>	6%
<i>Homework</i>	10%
<i>Exams [3]</i>	60%
<i>Final Exam</i>	24%
TOTAL	100%

Letter grades may be interpreted as:	
A 90-100%	
B 80-89%	D 60-69%
C 70-79%	F < 60%

Description of Graded Items/Categories

- *Quizzes*: Roughly once a week I will hand out a quiz designed to give you additional practice with the course material during class time. You may work on these in groups if you choose. These are open-book, open-note.
- *Homework*: Online homework via Sapling Learning. Assignments and due dates are available on the course Canvas site.
- *Exams*: Four in-class exams will be given during the term, based on the textbook reading, homework, lectures and quizzes. These are traditional closed book tests; no notes, textbook or electronic devices allowed (except for a calculator). The lowest exam grade will be dropped.
- *Final Exam*: The final exam will be cumulative but similar in format to the in-class exams.

Complete Assignments on Time

Late homework will be penalized 10% for every day (not every class) that it is late. Late quizzes will not be accepted.

¹ Generally from 1 to 5:30 pm; there may be some days that I have to be away from the office for a meeting or other event, if that's the case I'll leave a note on my door with more details.

Attendance

It is crucial that you show up to class everyday so that you get to see the concepts explained, have a chance to ask questions and interact with the course material within the context of the classroom environment. If you miss a class, it will be your responsibility to ensure that you obtain information pertinent to the missed class date, which includes lecture notes, assigned quizzes, handouts or other information.

If you miss class on a day that a quiz or exam is given, I'll have no choice but to give you a zero for that day's quiz or exam unless the absence is excused.² If you are ill or a personal or family emergency occurs, please inform me as soon as possible so that an appropriate arrangement can be made.

Academic Integrity

All students are expected to abide by the SBC Honor Code and accepted standards of academic integrity. Any suspected act of plagiarism or academic dishonesty will be reported to the Chair of the Judicial Committee. Refer to the Student Handbook for more information.

Class Decorum

I ask that you be respectful during class time and come prepared to listen and to take notes. You may bring electronic devices to class; however, I ask that you not use these devices for texting, social media or any other non-class related activity. In addition, please come to class on time; repeatedly showing up late to class is disrespectful and disruptive. Failure to abide by these guidelines may result in a referral to the Dean's office.

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@sbc.edu for an appointment. Because many accommodations require early planning, requests for accommodations should be made as soon as possible.

² An excused absence is one in which you are personally ill, or a family/medical emergency arises. Additionally, if you have to be away for an athletic event or other college-sanctioned activity approved by the Dean's office, then that may count as an excused absence as well; if the latter is the case, please inform me at least a week ahead of time so that an appropriate arrangement can be made. I might request to see a doctor's note or other documentation in such cases.