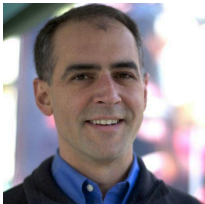



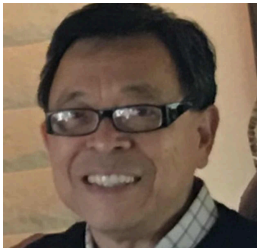



Class Materials: (All materials are located at the CSM Bookstore or online)

- o REQUIRED:
 - o [OpenStax: General Chemistry](#)
 - ISBN: 1938168399
 - o [Time Worksheet \(Please Fill Out \)](#)
 - o [Survey of Chemical Understanding \(Please Fill Out \)](#)
- o SUGGESTED: (Optional)
 - o [Schaum's Outline of College Chemistry](#)
 - ISBN: 0070537097
 - o [Online Homework - Knewton](#)

Office Hours:

A complete listing of office hours and rooms: Click on **Name** and then "**See DOORCARD**"

			
Jeff Flowers	Catherine Ciesla	Nayerreh Rezaie	Jimmy Li
flowersj@smccd.edu	cieslac@smccd.edu	rezaien@smccd.edu	lij@smccd.edu
			
Amid Salari	Phillip Tou	John Dao	Eileen Clifford
salaria@smccd.edu	toup@smccd.edu	daoj@smccd.edu	clifforde@smccd.edu

STUDENTS WITH DISABILITIES:

This course is designed to be welcoming to, accessible to, and usable by everyone, including students who are English-language learners, have a variety of learning styles, have disabilities, or are new to online learning. Be sure to let me know immediately if you encounter a required element or resource in the course that is not accessible to you. Also, let me know of changes I can make to the course so that it is more welcoming to, accessible to, or usable by students who take this course in the future.

If you are a student with a verified disability, or think you may have a disability, please contact the [Disability Resource Center \(DRC\)](#). The Disability Resource Center provides academic adjustments and auxiliary aids to support students who have a verified disability. The DRC is located in Building 10, Room 120 and can be reached at (650) 574-6438 or csmdrc@smccd.edu. Please visit the [DRC website](#) (<http://collegeofsanmateo.edu/dsps/>) for contact and other information.

[If you have already been approved for accommodations through the Disability Resource Center, please let me know, so we can develop an implementation plan together.](#)

Educational Equity Statement:

[The faculty at College of San Mateo affirm that students are entitled to an equitable learning environment that celebrates their voice, fosters their agency, and develops their capacity for self-advocacy, and that is free of unfair practices.](#)

If you feel you are in an environment that is not conducive to your learning or you want to learn more about educational equity, please come talk to me. You may also contact CSM's Director of Equity (collegeofsanmateo.edu/equity) to explore your options.

SEXUAL MISCONDUCT:

The San Mateo County Community College District is committed to maintaining safe and caring college environments at Cañada College, College of San Mateo and Skyline College. The District has established policies and procedures regarding Sexual Misconduct, Harassment, and Assault. A District website has also been developed which provides you with important information about sexual misconduct and sexual assault. <http://smccd.edu/titleix/>

COURSE DESCRIPTION:

This is the first semester of a two-semester sequence class in general chemistry intended for students pursuing physical sciences, biological sciences, engineering and pre-professional majors. Includes a detailed study of basic principles of atomic and molecular structure and bonding, chemical reactions and equations including stoichiometry and thermochemistry, solutions and gas laws with an emphasis on critical thinking and problem solving skills. This course also includes laboratory study of these concepts, experimental chemistry techniques and the analysis and interpretation of experimental findings.

LECTURES:

A schedule of lecture topics and reading assignments follows.

LABORATORY:

Preparation is essential, prior to coming to lab read through the entire experiment in the lab manual and have all pertinent work finished. All labs will begin with a short lecture, going over learning objectives. Tests for this class may be held during this time as well as review sessions for tests.

GRADING: (It is your responsibility to know you grade at all times.)

- 10 Graded Laboratory Assignments each at 5 Points
- 3 Tests each at 100 points
- 1 FINAL at 100 point

Grade:	Percentage (%):
A	> 90
B	80 - 89
C	70 - 79
D	60 - 69
F	< 59

LATE SUBMISSION:

You can turn in any assigned work that is late; however, there is an automatic 10% per week penalty.

Please note: 89.999999% is a B, so make certain that you are over the range you would like to be in. I will hold fast to these brackets.

Remember - It is strongly recommended that you do all the homework and **more**. This class covers a great deal of material in a short amount of time.

A general rule of thumb (For any college class): For each hour spent in class, you should expect to spend three times the hours spent in lecture outside of class studying. Since we meet 1 hours X 3 days a week X 4 = **Minimum** of 12 hours studying at home per week.

CLASS SCHEDULE:

The schedule is located at: <http://collegeofsanmateo.edu/chemistry/210.asp>

FINALS SCHEDULE:

We use the finals schedule provided by the college and published in the course catalog. Please refer to this document for the appropriate day / time.

CHEMISTRY SLO's:

Upon successful completion of this course, students will be able to:

1. Students should be able to describe and understand the properties of various types of matter including how various substances form, react and behave.

This skill will include elements, the formation of compounds, the bonding and attractions within various substances and the behavior of the states of matter. Quantitative aspects can include gas law analysis and reaction stoichiometry. Students can master this skill through a variety of practice methods including lab exercises, exam and quiz questions, written and oral reports.

2. Students should understand and use scientific measurements in problem solving.

This skill will include dimensional analysis problems and laboratory data manipulations. Various exercises can include labs, homework, exams and quizzes to aid in mastery of this skill.

3. Students should recognize the interrelationship of subatomic, atomic, molecular structure and the associated properties of matter.

This skill will include subatomic structure, types of bonding, and representations of molecular structure leading up an understanding of relationships between molecules in compounds. Students can be given homework, computer skill programs, exam and quiz questions to ensure mastery of this insight.

4. Students should competently perform experiments and evaluate data obtained from them.

Various lab skills will be practiced throughout the course including individual and group work during a variety of laboratory exercises.

<http://collegeofsanmateo.edu/sloac/slos/index.php/course/chemistry>

CLASS CURVE:

A class curve MAY be used but one should not rely upon this. Should a class curve be used and it is for material not derived from a standardized test, then the following equation shall be used: $[(\text{Your Raw Score}) / (\text{Class Median})] * 70\% = \text{Final Score \%}$.

HOMEWORK:

Success in this class is directly linked with doing the homework. You are responsible for homeworks.

LAB DUTIES:

Although you and your group will be responsible for cleanup of your lab, each week in lab I will assign one group that will stay until the last group is finished. This team will go around with me, ensuring that the laboratory is completely clean and ready for other teams. Should you miss your assignment, I will reassign for a later time. Should you leave prior to me stating that the lab is completely cleaned up – you will be reassigned the following period and have points deducted.

MISSED LAB:

Much of your grade is devoted towards hands on practice of materials learned in the text and working in a collaborative environment. Should you miss a Lab, it is normally impossible to make up said lab as the materials/chemicals and instrumentation have been put away. Therefore, I will drop one lab and only one lab regardless of the reason. Should you miss any other lab, you will not be able to make those points up. Missing up to three labs, and I reserve the right to drop you from the class entirely.

THE FINAL:

The examinations have been developed by the American Chemical Society Chemical Education Division. This particular instrument was selected, as it tests the skills and materials that should be learned in this type of course (specifically a General, Organic, Biochemistry class). Hence it is as close to a perfect measure of performance as is reasonably possible, one that is far better than is capable of any one professor in making. Since this test is not owned by CSM, any materials relating to this instrument cannot be taken from the college and/or used outside of a controlled manner.

HONOR CODE:

You are encouraged to work together with fellow classmates. You will be expected to do so in a way that is congruent with all relevant policies of the College of San Mateo. A copy has been provided to you on the first day of class.

Your Responsibilities Include (but not limited to):

Reading All Parts of This Section.

- Devoting the necessary time outside of the classroom to succeed in this class. This is an intensive class and you will need to devote at least 12 hours per week minimum towards: reading/studying/lab and performing all the assigned homework.
- Understanding all points of the syllabus, and should you have any questions about this document – asking those questions within the first week of class, otherwise your classroom participation grade will be docked points.
- Reading and studying all material in the book, regardless if it is or is not covered in class. We will not have enough time to go through all aspects of the book in lecture; however, you will need to have the necessary time commitment to read and work through the book.
- Performing the homework on time and with questions at the beginning of class.
- Keeping up with all reading assignments and prepared to be called upon in class. If you are not in or not prepared to come to the board, classroom participation points will be deducted.
- Coming to class to participate in classroom discussion.
- Giving proper notice if you are to miss a classroom lecture, lab, quiz or test and following up to take a makeup within one class meeting. This is to give your fellow students respect as their quiz/test cannot be given to them until your missed materials are in; otherwise you will receive a zero for the missed materials
- Having a clean laboratory station. There will be rotations such that you will be asked to have the assigned laboratory section completely clean; otherwise, you will receive a zero for the assignment and be required to clean the very next time.
- Grades: You are responsible for keeping abreast of your current grade. This information will be online as soon as possible and any mistakes must be brought to my attention within a week of posting; otherwise, the possibility of changing will be forfeited.

Smartphone Scannable QR Code for all relative documentation:

