

Chemistry 1A, Summer Session I 2014

General Chemistry

Instructor: [Jin Zhang](#)

Office: Room 152 PSB, Phone 459-3776 (o)

Email: zhang@ucsc.edu

Office Hours: Monday and Wednesday 2:00-3:00 pm (PSB 152).

Lecture Time and Location: MWF, 9:00 am–11:30 am, PSB 130

Required Text: Chemical Principles, 7th Edition by Steven Zumdahl (6th ed. should be OK)

TA: Gabriel Mednick, gmednick@ucsc.edu

Course credit will be assigned in the following way:

One Midterm: 30%;

Quiz: 10% ;

Final (comprehensive and must pass): 40%;

Homework (on-time to count): 20%

Introduction and General Policies:

Chemistry 1A is the first quarter of UCSC's integrated chemistry series. Topics include atoms and molecules, stoichiometry, chemical reactions, gas laws, periodic table, acids and bases, and buffer solutions, solution equilibria. The course will cover in detail the first eight chapters Zumdahl's Chemical Principles.

Chapters 1 through 3 offer a review of basic high school concepts. We will cover these chapters, but at a very rapid pace. Please take the time to review this material on your own if you think your background may not be as strong as you would like.

Enrollment and Background

For information about enrolling in Chemistry 1A, please see our Undergraduate Affairs website. Chemistry 1A requires a strong background in high school chemistry. As noted in the Chem 1A Description in the Course Catalogue. "*Prerequisite(s): Course 1P or strong high school level chemistry equivalent to 1P is strongly recommended*".

Book, WebAssign (class key: ucsc 9401 2817) and Recommendations

In addition to the Zumdahl's *Chemical Principles* book, students will need access to WebAssign, an online homework environment (www.webassign.net).

There are several options and packages:

- Webassign for one quarter is \$53.95, book not included.
- Webassign for multiple quarters is \$107.60. This includes an e-book. Not sure how useful this is.
- Special bundle package that includes a soft bound copy of Zumdahl 7th edition, and webassign for multiple quarters is \$134.95. *This is an outstanding deal and highly recommended. Everything you need for all three quarters of the Chem 1 series.*
- Hard bound copies of the Zumdahl text are also available, but these cost close to \$200 and do not include webassign.

LSS (learning support service) and Help

MSI to make accouchement in class and linked on ecommons.

Secondary Discussion Sections

Discussion sections provide an opportunity for students to meet with teaching assistants on a weekly basis to go over homework and review course concepts. The Chem 1A TA is committed to helping students succeed. Attendance at discussion sections is mandatory. Quizzes will be given in the discussion sections. You need to attend only one of the two sections per week. Time and location to be announced in class.

Students with Disabilities

If you have a disability and require special arrangements, please feel free to contact the instructor. Testing arrangements will be accommodated but require authorization through the Disabilities Resources Center. Please contact them within the first two weeks of the quarter.

Academic Integrity

Please consult the UCSC Policy on Academic Integrity. Chem 1A will fully adhere to the UCSC policy and any instances of cheating or plagiarism will result in failure of the respective assignment, and may lead to additional actions such as dismissal/suspension from the class and/or the university.

Expectations:

The only way to really learn science is to solve problems. Thus, each week there will be a substantial homework assignment. The homework problem sets are meant to be challenging, so you should be willing and prepared to spend at least five hours a week outside of class working on your assignments. We cannot accept late homework assignments.

You are expected to be full participants in the lecture class and the discussion sections. We are dedicated to doing everything that is reasonable to help you learn the material of Chem 1A. Furthermore, we will be prepared to present lectures and sections on time and within the appointed time slots. We request that you show respect for your classmates and instructors by:

- being respectful of the classroom environment by coming to class on time (9:00 am), remaining quiet during lecture and not leaving class until the end of lecture at 11:30. I plan to give a 10 minute break in the middle.
- not using electronic devices (e.g. cell phone, laptops, and game boys) during lecture unless they are necessary for note-taking or the alike (exceptions require instructor permission), violation can result in confiscation of the device,
- not talking during lecture in any way causing unnecessary disruptions. Disruptions will be noted and dealt with on an individual basis.
- staying in your seat during lecture unless it is absolutely necessary to leave,

Following these simple requests will enable all of us to focus on the endeavor that brought us together: *learning chemistry*.

Internet: I am happy to take your questions via email and can usually get back to you within a day or two. Likewise, all TAs are available via email. We will use UCSC eCommons to post announcements helpful hints, and important notices. Homework will be handled using WebAssign.

Tentative Class Schedule:

Month/dates	Monday	Wed.	Friday	chapter
June	23	25	27	2/3/4
June/July	30	2	4	5/6
July	7*	9	11	7
July	14	16	18	8
July	21	23	25**	8

***Tentative Midterm date (July 7th-second half of lecture in class-70 minute exam).**

****Final Exam:** Friday July 25th, 9:00 - 11:30 AM

Exam Policy: You must be present at each of the exams. A missed exam is treated as a zero in your class record. If you are extremely ill or have other emergency situation and cannot take a particular exam, you must: i) contact the instructor before the exam takes place and ii) provide documentation from your physician or police. Arrangements for a make-up exam or alternative will be dealt with on a case-by-case basis. Travel for family matters such as wedding and reunion or for sports or music festivals are NOT considered as emergency and no exceptions will be granted. Cheating in any form will result in zero of the exam.

Final Words: A learning strategy: ***P-LTA-R*** (Preview-Listen/Think/Ask-Review)

HM #1 covering chapters 1, 2, 3,4 (due on July 4th 11:50 pm)