Syllabus for Chemistry 1A
General Chemistry, 2017

Chemistry 1A is the first quarter of UCSC's integrated chemistry series. The course will cover in detail the first eight chapters of Zumdahl's Chemical Principles 7th edition.

NOTE: All relevant course information and links will be posted on Canvas.

Instructor: Professor Ted Holman, Rm. 250 Physical Sciences Building (PSB)
Email individual requests to holman@ucsc.edu. Your science questions can be answered via email by your TA or if needed, me.

Class Hours: 1A Lecture M, W, F 9 – 11:30 AM (110 PSB)
Ted's Office Hours: M, W, F 11:30 - 12 PM (250 PSB)
TA (Jorge Jimenez, jjimen12@ucsc.edu) OHs TBA
Discussion Sections: M,W 2 - 3:15 PM (SS2 071)

Exam Dates:
I. Monday, July 10, Week 3.
II. Friday, July 28, Week 5.

Enrollment and Prerequisites: 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; taking the online chemistry self-assessment exam is strongly recommended." Chapters 1 through 4 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.

Textbook and WebAssign: We will use Zumdahl's Chemical Principles, 7th edition, but the 5th and 6th editions should be fine. In addition, students will need access to WebAssign, an online homework environment. There are several options and packages:
- Webassign for one quarter is about $50, book not included.
- Webassign for multiple quarters is about $120, which includes a soft-bound Zumdahl. This is a good deal since it contains all you need for the three quarters of the Chem 1 series.
- Hard-bound Zumdahl editions are close to $220 and do not include webassign.

Secondary Discussion Sections (One Section a week is REQUIRED): Discussion sections provide an opportunity for students to meet with teaching assistants on a weekly basis to go over homework and review course concepts. One short quiz per week is required for each student and attendance will be taken. You must attend at least one a week, but it does not matter which one. Discussion sections begin the first full week of class, starting Monday, June 26, 2017.

Homework (Required): All homework will be through WebAssign, an online problem-solving environment. Your Self-Enrollment WebAssign access may be purchased through the Bay Tree Bookstore and your class key is "ucsc 6175 2982". You will be given 10 tries to get the problem correct, significant figures will not be graded, and a 5% tolerance for error will be given. When setting up your WebAssign account, it is essential that you enter your name as you are known to the Registrar (example format: Holman, Theodore), and also your UCSC ID. We will not be able to count homework unless your information is entered properly. Here are the HW due dates. Note the VERY rapid timeline.

HW#1-Ch. 2 Due June 29, HW#2-Ch 3 Due July 1, HW#3-Ch 4 Due July 3,
HW#4-Ch 4 Due July 6, HW#5-Ch 5 Due July 8, HW#6-Ch 6 Due July 15,
HW#7-Ch 7 Due July 19, HW#8-Ch 7 Due July 21, HW#9-Ch 8 Due July 23,
HW#10-Ch 8 Due July 26.
These dates are soon, but necessary to get through all the material of the class. If you need help with entering data into WebAssign, please contact your TA TODAY!! Please do not wait till the day that it is due to find out you can’t get it to work.

Exams (Dates Below): There will be two exams. One exam is for the first half of the class and one for the second half of the class. 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 and cannot take a particular exam you must: i) contact the instructor before the exam takes place and ii) provide documentation from your physician. Arrangements for a make up exam or alternative will be dealt with on a case-by-case basis. Details about the exams will be posted on eCommons.

Calendar: I will send announcements via Canvas about deadlines in the class. For additional information, please consult the UCSC academic calendar 2013-2014 on our eCommons (Resources). For your convenience here is a TENTATIVE class schedule.

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<tr>
<th>Week</th>
<th>Month</th>
<th>Monday</th>
<th>Wed.</th>
<th>Friday</th>
<th>Chapter</th>
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<tr>
<td>1</td>
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<td>28</td>
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<td>2</td>
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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 Resource Center. Please contact them within the first week 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. Moreover, students must be respectful of the classroom environment by coming to class on time, remaining quiet during lecture and not leaving class until the end of lecture. Disruptions will be noted and dealt with on an individual basis.

Major Qualification: This course is required to declare one or more of the majors in the Division of Physical & Biological Sciences. Your performance in this course may determine your eligibility for a science or math major. For more information on major qualification, please go to:
http://undergrad.pbsci.ucsc.edu/resources/how-to/qualifying-for-a-major.html

Course Credit: The course percentages are listed below. However, please note that you must show proficiency in all areas to pass the class, especially Ch’s 7 & 8. This is because future science courses depend on this knowledge. Therefore, if you fail the second exam, you will fail the course, regardless of how well you have done in the other exam and HW.

Exam #1 35%
Exam #2 45%
Homework/Quizzes 20%