

Syllabus for Chemistry 1A General Chemistry, 2018

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 T, Th 1-4:30 PM (114 PSB)
Ted's Office Hours: W 1-2:00 PM (250 PSB)

TA, Kate markham (kmarkham1437@gmail.com)
Office Hours TBD
Discussion Sections: Th, F 11-12:10 PM (Soc Sci II 165)

Exam Dates:

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|------|-----------|-----------------|--------|---------------------|
| I. | Tuesday, | July 3, | Week 2 | (Chs 2/3, 1 hr). |
| II. | Thursday, | July 12, | Week 3 | (Ch 4/5, 1 hr). |
| III. | Thursday, | July 26, | Week 5 | (Chs 6/7/8, 2 hrs). |

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, book not included.
- Webassign for three quarters, which includes a soft-bound Zumdahl.
This contains all you need for the three quarters of the Chem 1 series.
- Hard-bound Zumdahl editions 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 Tuesday, June 26, 2018.*

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 4734 2084**". 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 first HW is due this Friday, very soon.

HW#1	(Ch 2),	Due 5 pm,	Friday,	June 29
HW#2	(Ch 3),	Due 5 pm,	Monday	July 2
HW#3	(Ch 4),	Due 5 pm,	Friday	July 6
HW#4	(Ch 4),	Due 5 pm,	Monday	July 9
HW#5	(Ch 5),	Due 5 pm,	Wednesday	July 11
HW#6	(Ch 6),	Due 5 pm,	Monday	July 16
HW#7	(Ch 7),	Due 5 pm,	Wednesday	July 18
HW#8	(Ch 7),	Due 5 pm,	Friday	July 20
HW#9	(Ch 8),	Due 5 pm,	Monday	July 23
HW#10	(Ch 8),	Due 5 pm,	Wednesday	July 25.

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 three exams. One exam for Chs 2/3, one for Chs 4/5, and a longer one for Chs 6/7/8. 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 Canvas.

Calendar: I will send announcements via Canvas about deadlines in the class. For your convenience, here is a **TENTATIVE** class schedule.

Week	Month	Mon	Tues	Wed	Thurs	Fri
1	June	25	26 Lec. Ch 2/3	27	28 Lec. Ch 3/4	29 HW#1
2	July	2 HW#2	3 Exam 1 Chs 2/3 Lec. Ch 4	4	5 Lec. Ch 4/5	6 HW#3
3	July	9 HW#4	10 Lec. Ch 5/6	11 HW#5	12 Exam 2 Chs 4/5 Lec. Ch 6/7	13
4	July	16 HW#6	17 Lec. Ch 7	18 HW#7	19 Lec. Ch 7/8	20 HW#8
5	July	23 HW#9	24 Lec. Ch 8	25 HW#10	26 Lec. Rvw Exam 3 Chs 6/7/8	27

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 final exam (below 50%), you will fail the course, regardless of how well you have done in the other exams and HW.

Exam #1	15%
Exam #2	20%
Exam #3	45%
Homework/Quizzes	20%

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>

Deadlines: Neither Summer Session nor instructors drop students for non-attendance or non-payment. Students must drop themselves. Dropping results in full tuition reversal/refund. Withdraw posts a W for the grade and full tuition is charged (no refund). For all dates and deadlines, including 'change of grade option' (P/NP) and grades due, here is the summer academic calendar - <https://summer.ucsc.edu/fundamentals/academic-calendar.html>

DRC Accommodations: The Disability Resources Center reduces barriers to inclusion and full participation for students with disabilities by providing support to individually determine reasonable academic accommodations. If you have questions or concerns about exam accommodations, or any other disability-related matter, please contact the DRC office, located in Hahn 125 or at 831-459-2089 or drc@ucsc.edu.

Academic Dishonesty: Academic integrity is the cornerstone of a university education. Academic dishonesty diminishes the university as an institution and all members of the university community. It tarnishes the value of a UCSC degree.

All members of the UCSC community have an explicit responsibility to foster an environment of trust, honesty, fairness, respect, and responsibility. All members of the university community are expected to present as their original work only that which is truly their own. All members of the community are expected to report observed instances of cheating, plagiarism, and other forms of academic dishonesty in order to ensure that the integrity of scholarship is valued and preserved at UCSC. In the event a student is found in violation of the UCSC Academic Integrity policy, he or she may face both academic sanctions imposed by the instructor of record and disciplinary sanctions imposed either by the provost of his or her college or the Academic Tribunal convened to hear the case. Violations of the Academic Integrity policy can result in dismissal from the university and a permanent notation on a student's transcript.

For the full policy and disciplinary procedures on academic dishonesty, students and instructors should refer to the [Academic Integrity page](#) at the [Division of Undergraduate Education](#).

Title IX: The university cherishes the free and open exchange of ideas and enlargement of knowledge. To maintain this freedom and openness requires objectivity, mutual trust, and confidence; it requires the absence of coercion, intimidation, or exploitation. The principal responsibility for maintaining these conditions must rest upon those members of the university community who exercise most authority and leadership: faculty, managers, and supervisors. The university has therefore instituted a number of measures designed to protect its community from sex discrimination, sexual harassment, sexual violence, and other related prohibited conduct.

[Information about the Title IX Office](#), the [online reporting link](#), applicable campus [resources](#), reporting responsibilities, the [UC Policy on Sexual Violence and Sexual Harassment](#) and the UC Santa Cruz Procedures for Reporting and Responding to Reports of Sexual Violence and Sexual Harassment can be found at titleix.ucsc.edu. The Title IX/Sexual Harassment Office is located at 105 Kerr Hall. In addition to the [online reporting option](#), you can contact the Title IX Office by calling 831-459-2462.