Chemistry 1B, Summer 2019
General Chemistry
(to be taught remotely using zoom at the designated class time and lectures will be recorded and shared with students who need them for some reason-email the instructor to request)

Instructor: Prof. Jin Zhang
Office: Room 152 PSB, Phone 459-3776 (o)
Email: zhang@ucsc.edu
Office Hours: Wednesday 1:00-2:00 pm (PSB 152 or via zoom).
Lecture Time and Location: MWF, 9:00 am–11:30 am, via zoom
Required Text: Chemical Principles, 8th Edition by Zumdahl and Decoste
TAs: to be announced

Course credit will be assigned in the following way:
Homework (on-time to count): 20%
Quiz: 20%
Midterm: 20%
Final (comprehensive and must pass): 40%;

Introduction and General Policies:

Welcome to Chemistry 1B, the second quarter of our introductory chemistry series. We will cover a range of topics including light and radiation, the atomic structure, theories of chemical bonding, chemical kinetics, and transition metals and coordination chemistry ( chapters 12-15 and 19). The concepts learned from this course are instrumental for future studies in all areas of chemistry including biochemistry, organic chemistry, physical chemistry, environmental chemistry, medicinal chemistry, and materials chemistry. We hope that the knowledge derived from this course will give you insight into the chemical workings of our lives and the world around us. Discussion sections (referred to as "SECONDARY DISCUSSION" in the Schedule of Classes) are an integral part of this course and attendance is required.

The only way to really learn science is to solve problems. Thus, there will be a substantial amount of homework. A brief quiz in each Secondary Discussion section (graded) will usually be randomly chosen problems from that week's homework or problems similar to the homework problems. 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.

Book, WebAssign (class key: ucsc 3054 8392) and Recommendations
We will use Zumdahl and Decoste's Chemical Principles, 8th edition*. In addition, students will need access to WebAssign, an online homework environment. There are several options and packages:

- Webassign for one quarter is $79.95 with e-book. Note that this times out after one quarter.
- Webassign for multiple quarters is $98.95. This includes an e-book, but not hard copy text.
- Special bundle package that includes a loose leaf copy of Zumdahl 7th edition, and webassign for multiple quarters is $159.35. 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 roughly $200 and do not include webassign.
*Please note that the 7th edition is highly preferred, but the 6th along with WebAssign should be okay.

LSS (learning support service) and Help
MSI (Modified Supplemental Instruction) to make accouchement in class for small group tutoring. (http://lss.ucsc.edu/programs/modified-supplemental-instruction/index.html).
TA: to be announced

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 1B TA is committed to helping students succeed. Attendance in discussion sections is required. Quiz will be given in the discussion sections via zoom/Canvas and graded. *Tu 10-11 am and Wed 2-3 pm* (only need to attend one section)

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 1B 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:
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 1B. 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 showing up via zoom on time (9:00 am), and not leaving class until the end of lecture at 11:30 am.
- reduce sound noises during lecture or mute unless you plan to ask questions.

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

Web/Internet usage: 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 Canvas to post announcements helpful hints, and important notices (class site: https://canvas.ucsc.edu/courses/321. For a Canvas Overview, visit: https://guides.instructure.com/m/4210/l/141852-canvas-overview-video, and a link to all of the video guides for students- https://guides.instructure.com/m/4210/c/56054). Homework will be handled using WebAssign.
Tentative Class Schedule:

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* Tentative midterm date (second half of lecture, one hour, via Canvas).
**Final Exam (via Canvas): F, July 24th, 9:00-12:00 pm.

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 an 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. All three exams are scantron based (students bring own scantron forms).

Final Words: A learning strategy: P-LTA-R (Preview before class-Listen/Think/Ask in class-Review after class)

HM #1 covering chapter 12 (due on Sunday June 28th 11:59 pm)
Some Important Information from Summer Session Office

Important Summer Session Remote 2020 Deadlines:

Session 1:
Drop: Monday, June 29  
Request for “W”: Friday, July 10

Session 2:
Drop: Monday, August 3  
Request for “W”: Friday, August 14

8-Week:
Drop: Monday, July 6  
Request for “W”: Friday, July 24

10-Week:
Drop: Monday, July 6  
Request for “W”: Friday, July 24

Summer is unique. **You will not be dropped for non-attendance or non-payment.** You must drop yourself. Dropping before the deadline results in a 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/studentlife/index.html](https://summer.ucsc.edu/studentlife/index.html)

For questions about dropping, requesting a W grade for a course, or withdrawing from the summer quarter, email summer@ucsc.edu.

DRC Remote 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. Operations continue via remote appointments. If you have questions or concerns about exam accommodations or any other disability-related matter, email the DRC Schedulers at drc@ucsc.edu for an appointment.

Small Group Tutoring

Small Group Tutoring (SGT) supports students academically to advance educational equity by designing inclusive learning environments outside of the classroom. In SGT, you can expect the Tutor to facilitate cooperative group activities designed to have students work together on the course content and develop study skills for the course. SGT is offered at least three times each week for the entire quarter. The Tutor is an undergraduate student who took the class, did well, and is trained to facilitate group sessions to focus on students’ needs to succeed in the course. SGT is open to all students enrolled in the class and they must sign up on our online system:
TutorTrac. When students sign up for SGT, they are committing to attend every week. For Summer 2020, students can begin signing up for tutoring on **Monday, June 22rd** and tutoring will begin **Wednesday, June 24th**. Students only have to sign up once for tutoring and their appointments will repeat weekly. Sign-ups will close on **Friday, August 14th** for all Summer Session Sign-Ups. This means that after **August 14th**, no new students can sign up for tutoring.

Want SGT to be successful for you? Bring your books, lecture notes, questions, and be open to working collaboratively with your peers. You can sign up using this link: https://ucsc.gredrock.com/tracweb40/NoAccess.4sp?errText=insufficient%20credentials%20to%20view%20content

You can also find the link on our website: https://lss.ucsc.edu/index.html

**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 Office is actively responding to reports and requests for consultation. If you are not currently working with someone in the office and want to make a report/request a consult, you can expect the fastest response by using our online reporting link.

For more information please visit the Title IX Operations under Covid-19 page.