

## CHEMISTRY 115A - ADVANCED GENERAL CHEMISTRY

FALL 2014 web: <http://scf.usc.edu/~chem115>

### FACULTY

#### Lecture

Prof. Hanna Reisler  
Office: SSC 622  
(213) 740-7071  
[reisler@usc.edu](mailto:reisler@usc.edu)  
Office hours  
Tu 3-4 pm; F 3-4 pm

#### Laboratory

Dr. Jessica Parr  
Office: SGM 304  
(213)821-6614  
[parr@usc.edu](mailto:parr@usc.edu)  
W 2-4 pm; Th 9-11 am

### LECTURE

MWF 9-10; SGM 101

### MIDTERM EXAMS

Th 3:30-4:30; SGM 101

### TA Office Hour

Stephanie McKean <a href="mailto:mckean@usc.edu">mckean@usc.edu</a> Tu 12-1	Subhasish Sutradhar <a href="mailto:sutradha@usc.edu">sutradha@usc.edu</a> Th 11-12	Kristen Zuraski <a href="mailto:zuraski@usc.edu">zuraski@usc.edu</a> Th 11-12	Prunim Dhar W 3-4
Richard Li F 1-2	Jaimie Stomberg <a href="mailto:stomberg@usc.edu">stomberg@usc.edu</a> Tu 12-1	Daniel Kwasniewski <a href="mailto:kwasniew@usc.edu">kwasniew@usc.edu</a> M 3-4	

### SI LEADER TEXTBOOKS

Perry Kumagai<[pkumagai@usc.edu](mailto:pkumagai@usc.edu)>

#### Required:

1. *Principles of Modern Chemistry*, 7th Edition, by Oxtoby, Gillis and Campion
2. *Brooks-Cole Organic-Inorganic Molecular Student Model Set* (bundled with textbook at the Bookstore), or *Prentice Hall Molecular Model Set for General and Organic Chemistry* (if purchased separately from textbook)  
Or any other model kit that allows you to build molecular geometries for use with the VSEPR model.
3. “*Chem 115 Laboratory Packet*” by USC Advanced General Chemistry Program.
4. *Student Response System Clicker*  
If you have already purchased a *Turningpoint* clicker with your textbook for your Biology, Math or Physics class, you do not have to purchase another clicker for Chemistry. You will register your clicker on the class web page. Clickers can be purchased at the check out (cashier ) of bookstore.
5. *Student Solutions Manual* for the textbook by Freeman

### WEBSITE

<http://scf.usc.edu/~chem115>

The Web will be used extensively in this course for instructions, homework, labs and for distribution of information. An interactive bulletin board is included. Check it often as well as the messages section. Make sure you have access to the Web and set up your password. We do not use Blackboard.

<b>LECTURES</b>	Chapters 1-3, 11, 9, 12 and 4-6 will be covered this semester. The order has been changed to coincide with Chem 105a. Reading and problem assignments will be given each Wednesday and posted on the website. The textbook is supplemented with material relevant to current research topics in chemistry. <u>Full attendance at all lectures is expected.</u> You are responsible for any announcements made in lecture and all material presented <u>whether or not it is in the textbook.</u>		
<b>STUDENT RESPONSE SYSTEM</b>	<p>This semester we will be using the classroom technology of Personal Response System (“clickers”), to get your immediate response to lecturer’s questions in class. This direct feedback from you will allow the lecturer to gauge the class’s understanding of new concepts to help set the pace of the class. <b>It will be your responsibility to bring your “clicker” to every class.</b> You can purchase the clicker at the bookstore. Clicker questions will be posed in every class; your responses will constitute your only record of class attendance.</p> <p>Please register your clicker right away and check that it works. Instructions are given by clicking the link at the front page of the class web site. If there is a problem, please contact Dr. Bruno Herreros at <a href="mailto:herreros@usc.edu">herreros@usc.edu</a></p>		
<b>HOMEWORK</b>	Homework is assigned each Wednesday and should be completed in a week. Homework is <u>not</u> collected, but it is very important that you do the assigned homework to keep up with the course materials. Answers to even problems will be posted on the class website.		
<b>READING ASSIGNMENT</b>	Because Chem 115 is an advanced course, the lectures will not necessarily revisit every section in the textbook, especially the basic ones. It is therefore critical that you read the book thoroughly. Reading assignments will be assigned weekly and posted on the web. You should complete the reading assignment <u>before</u> you come to each class.		
<b>WEB QUIZZES</b>	A web quiz on the materials related to that week’s assigned homework is given each week. <b>A new quiz is posted at 9:00 a.m. every Wednesday and your answers are due the following Tuesday at 11:59 pm.</b> These quizzes can only be taken on the web. Make sure you have web access. You can print the quiz before you answer but you can take the quiz only once.		
<b>CALCULATOR</b>	<u>Required for exams.</u> Your calculator must have a <u>log</u> key. Programmable calculators are not allowed during exams, and all cell phones and portable electronic devices must be turned off.		
<b>LABORATORY</b>	<p>There are no labs the first week of classes. <b>A mandatory lab introduction lecture will be given at 3:30 p.m. on Thursday, August 28 in SGM 101.</b> If you do not attend the lab lecture on 8/28, you will not be able to enter the lab. Purchase the lab packet in the USC Bookstore.</p> <p>Bring with you to lab (starting with check-in):</p> <ul style="list-style-type: none"> <li>▪ Goggles, Visorgogs or Uvex safety glasses with side-shields (purchase at USC Bookstore)</li> <li>▪ Rubberized Lab Apron or Lab Coat (purchase at USC Bookstore)</li> <li>▪ Laboratory Notebook (purchase at USC Bookstore)</li> <li>▪ Laboratory Manual (purchase at USC Bookstore)</li> </ul>		
<b>GRADING</b>	One-Hour Exams	4 @100 points	400
	Laboratory	250 points	250
	Final Exam	1 @200 points	200
	Web Quizzes	10 @10 points	100
	Clickers	20 points	20
	<b>Total:</b>		<b>970</b>

<b>EXAMS</b>	<p><b>THERE ARE NO MAKE-UP EXAMS IN THIS COURSE.</b> There will be four one-hour exams given during the semester. The material covered on each exam will be announced in lecture. <u>The exams will be given on Thursday at 3:30 p.m. in SGM 101. Bring your student ID, a calculator, and a pen to all exams.</u> The one-hour time period will be strictly enforced. No one will be allowed to enter the exam room late or to leave early. <u>An answer key for each exam will be posted on the web the day after the exam.</u> Scanned graded exams will be returned to you via the website (Grades/Exams). There is no strict grading curve for this course. Sample exams will be posted in Grades/Exams before each exam.</p> <p>An approximate letter grade will be assigned by the end of the seventh week to give you an idea of your status in the course. The letter grade you receive at mid-term is no guarantee of your final grade.</p> <p>If you find a substantial grading error, please follow the procedure outlined at the end for regrading. Regrades can be submitted no later than 2 weeks after the exam date. The whole exam will be regraded.</p>
<b>FINAL EXAM</b>	<p><b>A comprehensive two-hour final exam will be given on Thursday, December 11, 8:00 a.m. – 10:00 a.m.</b> This is the <u>only</u> time the final exam may be taken. No early or makeup final will be given. Taking the final exam is mandatory to pass the course.</p>
<b>ABSENCES</b>	<p><b>All unexcused absences from an exam or laboratory will result in a zero.</b> Individuals with excused absences will be given special consideration at the end of the semester. Absences will be excused on the basis of official university policy. To secure an excused absence, bring verification to Dr. Elizabeth Erickson prior to the absence, or in case of illness, immediately upon your return. All excuses will be verified.</p>
<b>TEACHING ASSISTANTS, SI &amp; TUTORS</b>	<p>You are strongly encouraged to see any of the TAs during their office hours.</p> <p>The College also runs a free Supplemental Instruction (SI) program. Your SI leader will give you the details. The University Learning Center (x0-0776) also provides free one-on-one tutoring. If you prefer to hire a private tutor, please go to Dr. Erickson (eerickso@usc.edu) for a current list.</p>
<b>BULLETIN BOARD</b>	<p>Question about course material will be answered <b>ONLY</b> on the bulletin board of the class web site. The questions will be answered by one of the instructors within 24 hours. Direct emails to the instructors may be answered within a week, unless they have in the subject: Emergency. All email communication must use the USC email address.</p>
<b>ACADEMIC INTEGRITY</b>	<p>Rules regarding academic integrity and general student conducts will be strictly enforced. For details of the University Student Conduct Code and possible sanctions for academic integrity violations, see <a href="https://scampus.usc.edu/university-student-conduct-code/">https://scampus.usc.edu/university-student-conduct-code/</a>.</p>

## IMPORTANT DATES TO REMEMBER

August 25	Monday	First Day of Class
August 28	Thursday	<b>Lab Orientation</b> @ 3:30 pm in SGM 101
Sept 2-Sept 3	Tuesday-Wednesday	Labs Begin with Library Lab
September 1	Monday	No class (Labor Day)
September 12	Friday	Last Day to Drop without W
<b>September 18</b>	Thursday	<b>Exam 1</b>
<b>October 09</b>	Thursday	<b>Exam 2</b>
<b>October 30</b>	Thursday	<b>Exam 3</b>
November 14	Friday	Last day to drop with "W"
<b>November 20</b>	Thursday	<b>Exam 4</b>
November 26-29	Wednesday-Friday	No Class (Thanksgiving Break)
December 5	Friday	Last Day of Classes
<b>December 11</b>	Thursday	<b>Final Exam @ 8 a.m. – 10 a.m.</b>

## **POLICY ON REGRADING OF EXAMS**

**When an exam is submitted for regrading the entire exam will be regraded. This may result in a lower score. Once an exam has been submitted, the regrade score is the one recorded.**

### **Reasons for submitting an exam for regrading:**

1. Addition error yielding incorrect total score.
2. Lack of inclusion of scores from one or more of the problems graded.
3. Correct answer(s) marked incorrect.

### **How to submit an exam for regrading consideration:**

1. Obtain a cover sheet for your exam by downloading it from the Chem115a homepage in Grades/Exams.
2. Complete the cover sheet, stating clearly why you are submitting your paper for regrading considerations. Be sure to sign the form where indicated, acknowledging that you have not written on or altered the exam in any way. Your exam will not be regraded unless the cover sheet is signed.

**Important: Please do not jeopardize your integrity by being tempted to change an answer after your exam has been graded. We scan complete sets of exams before they are returned. If you submit an altered exam for regrading, you will receive an "F" for the entire course and you will be reported to the Office of Student Conduct for an academic integrity violation.**

3. Give the exam with the cover sheet attached to Prof. Reisler. Do not submit it to a T.A. The deadline for submitting your exam paper for regrading consideration is 5 p.m. two weeks from the day you took the exam.