

CHEM 294
Undergraduate Research Seminar
Spring 2017

Instructor Terry Takahashi
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Please put "CHEM294" in Subject Line (no quotes)

Office Hours Thursdays, 12-1 PM (or by appointment)

**Lecture/
Discussion** Thursdays 4:50***– 5:50 PM in GFS 113 (***)Note time change)

Class will be held on weeks when you do not have midterms/tests in the General Chemistry Classes. The class schedule for CHEM 294 is:

Thursday	1/12/17	
NO CLASS	1/19/17	Lab orientation
Thursday	1/26/17	
NO CLASS	2/2/17	(First Exam in CHEM 105/115)
Thursday	2/9/17	
Thursday	2/16/17	
NO CLASS	2/23/17	(Second Exam in CHEM 105/115)
	2/24/17	Last day to withdraw without a "W" on transcript or change pass/no pass to letter grade
Thursday	3/2/17	
Thursday	3/9/17	
NO CLASS	3/16/17	SPRING BREAK
NO CLASS	3/23/17	(Third Exam in CHEM 105/115)
Thursday	3/30/17	
Thursday	4/6/17	
	4/7/17	Last day to drop with a mark of "W"
NO CLASS	4/13/17	(Fourth Exam in CHEM 105/115)
NO CLASS	4/20/17	
NO CLASS	4/27/17	(Lab Practical in CHEM 105/115)

Text No textbook required
Research papers and websites will be assigned in class for discussion

Course goals The goal of this course is to give students an introduction to research in modern chemistry laboratories. We will have presentations from guest speakers to give you an idea of the different types of research at USC. We will also focus on general skills and knowledge that

investigators use in research laboratories at USC and elsewhere. Our broad focus for the course will be on developing molecules to treat disease.

In this course, we will address research related topics such as:

- 1) How do you become involved in research at USC and elsewhere?
- 2) How do you use internet, database, search engines, etc. for your research?
- 3) How do you tell others about your research? How do you find out what other scientists are doing?
- 4) What is a research seminar?

**Class
Structure**

Our class will be composed of:

- 1) Lectures
- 2) Class discussion
- 3) Guest Lectures
- 4) Attendance of a research seminar this semester

**Assignments/
Projects**

Class work will be composed of:

- 1) Attending class and participating in discussion
- 2) Reading research papers, websites, etc. that are assigned in class. You should be prepared for discussion in class by reading these materials *before* class in order to contribute to the discussion
- 3) Homework problems
- 4) Attending one research seminar outside of class

**Research
Seminar**

You will be required to attend a research seminar outside of class and to review/evaluate it. A listing of seminars for this semester can be found at:

<http://www.chem.usc.edu/dept/seminars.html>

Blackboard

Lecture slides and papers handed out in class will be posted to Blackboard

Grading The final letter grade for the class will be determined by the total points from all activities:

Class attendance:	25%
Homework:	50%
Research seminar:	25%

Late work /Absence Policy Late work will not be accepted without a verifiable excuse (illness, family emergency, etc).

For an illness or emergency, contact the Instructor by email (preferably prior to class but up to 24 hrs after class). For non-illness related absences, contact the Instructor before class.

Regrading Policy If you believe that there is an error in your grade, you may request for a regrade within one week of receiving the grade in question. Requests for regrades can be made via email or in person during office hours.

Statement for Students with Disabilities Any student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to the instructor as early in the semester as possible. DSP is located in STU 301 and is open 8:30 AM – 5:00 PM Monday-Friday. The phone number for DSP is (213) 740-0776.

Academic Integrity Rules regarding academic integrity and general student conduct will be strictly enforced. For details of the University Student Conduct Code and possible sanctions for academic integrity violations, see <http://www.usc.edu/dept/publications/SCAMPUS/gov>

Students will be referred to the Office of Student Judicial Affairs and Community Standards (SJACS) for further review upon suspicion of academic dishonesty. The review process can be found at: <http://www.usc.edu/student-affairs/SJACS/>