

CHEM 4084: Senior Seminar
Spring 2019
Friday, 12:20-1:10pm; TLC 2134

Instructor: Dr. Megumi Fujita

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Office Hours: M9-12, T10-1, W11-3, or by appointment.

Course description

This is a capstone course for senior chemistry majors who are expected to write a senior thesis based on their faculty-directed research AND to graduate in Spring 2019, Summer 2019, or Fall 2019. The focus of the class is to integrate your chemistry learning in a larger, societal context, prepare yourself for careers, write a senior thesis with proper scientific writing format, and give a senior research presentation. You will also take an Exit Exam to test your integrated knowledge of undergraduate chemistry.

If you are not graduating this semester (Spring 2019), you will receive a grade of Incomplete (I). You will still write the Introduction and part of the senior thesis during the semester. In the following semester, you will complete the rest of the senior thesis and give a presentation to the department to receive the final grade.

Course Requirement

Bring your laptop computer to class, enabled for the UWG SecureWest Wi-Fi. The class activity-relevant files (e.g. resume and thesis draft for peer-review) must be ready for opening and editing. The Wi-Fi should be turned on for information search and downloading of materials as needed.

Learning Outcomes

- Write a quality senior thesis with an appropriate scientific writing format, demonstrating clear understanding of the project based on updated literature search and full result analysis
- Clearly communicate your research project orally in a senior thesis presentation
- Become aware of important chemistry research advances
- Become aware of the career options
- Write an updated resume; write a sample cover letter; and/or learn interview tips

Grading: Your grade (S/U) will be based on attendance, in-class participation and completion of the assignments listed above.

Other policies: For important policy information, i.e., the UWG honor code, e-mail, credit hours, as well as information on the campus carry policy please review the information found in the Common Language for Course Syllabi documentation at

<https://www.westga.edu/administration/vpaa/common-language-course-syllabi.php>

Tentative Schedule (Subject to change)

*Need laptop	Class activities	Dues**
Jan 11*	Syllabus, Senior thesis template and format instruction	
Jan 18*	Resume & Interview (Career Services)	Thesis title (CourseDen only)
Jan 25*	Resume peer-review Thesis INTRODUCTION streamlining, literature search	Resume (printout)
Feb 1*	INTRODUCTION progress check, Important chemistry advances (C&EN etc browsing)	
Feb 8*	Important chemistry advances –mini presentations and discussion	Chemistry advances; research and 5-minute presentation
Feb 15*	INTRODUCTION peer review Start working on Experimental	INTRODUCTION (all) draft due
Feb 22	Guest speaker: Dr. Eric Huddleston (TLC3018)	
Mar 1*	EXPERIMENTAL, 1st peer review (format check)	EXPERIMENTAL (part) due
Mar 8	**Exit Exam (12:20-2:20)**Note the extended time	
Mar 15*	RESULTS, peer review (After this, give all senior thesis portions to your research supervisor for his/her feedback)	EXPERIMENTAL (all) due
Mar 22	No class (spring break) Wrap up your research (if graduating in S19)	
Mar 29*	RESULTS & DISCUSSION (part), 1st peer review; describe the plan for the rest	RESULTS & DISCUSSION (part) due
April 5	No class (to make up for the Exit Exam)	
April 12	Practice oral presentation (3 students; may exceed class period)	Powerpoint
April 19	Practice oral presentation (3 students; may exceed class period)	ALL SECTIONS INTEGRATED draft due to your supervisor*
April 26	Thesis presentations to the Chemistry Department (Tentatively 1:30-3:30, TLC2105)***	Final Powerpoint Continue to revise and finalize your thesis with your supervisor
May 6 (Monday)	Senior thesis final deadline (with CHEM4083 Form signed by your supervisor)	

** All due files must be submitted to the corresponding CourseDen Assignment Folders, as well as be brought to class on your laptop.

*** Note that this is outside of the class period. Each oral presentation consists of 10-12 minutes presentation and up to 5 minutes Q & A. Please stick to the allocated time limit.