

## **CHEM 4084: Senior Seminar Spring 2020**

Class period: Friday, 12:20pm - 1:10pm  
Classroom: TLC 2134 (we may meet in TLC2116 “ACS room” sometimes)

Instructor: Dr. Megumi Fujita  
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Office Hours: MWF10-12, TR1-3, 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 2020, Summer 2020, or Fall 2020. A big part of this course is culminate the faculty directed research or equivalent that students have been carrying out in the form of a senior thesis and a formal oral presentation. Other activities and discussions will aim to culminate the undergraduate undergraduate education as a chemistry major and prepare themselves for the post-graduation life. Students will also take an Exit Exam in order for the Department of Chemistry to assess their curriculum outcomes.

If you are not graduating in this Spring semester, 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 an oral presentation to the department to receive the final grade.

### **Learning Outcomes**

- Students 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
- Students present an oral presentation on the thesis research work
- Through discussions and/or activities, students culminate their learning experiences as a chemistry major and connect their learning to the society, to their personal growth, and to their possible careers after graduation.

**Grading:** Your grade (S/U) will be based on attendance, in-class participation, completion of the senior thesis and other small assignments, and the completion of the oral presentation.

**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)

	Class activities	Due for this class
Jan 10	Syllabus, Senior thesis template and format instruction	
Jan 17	Thesis title peer-review, INTRODUCTION streamlining, literature search (ACS room)	<b>Thesis title</b>
Jan 24	<b>Discussion/Activity*</b>	
Jan 31	INTRODUCTION progress check (peer-review) <b>Discussion/Activity*</b>	<b>Introduction draft &gt;50% done*</b>
Feb 7	<b>Discussion/Activity*</b>	
Feb 14	INTRODUCTION peer review Start working on Experimental	<b>INTRODUCTION complete draft with references</b>
Feb 21	<b>Discussion/Activity*</b>	
Feb 28	EXPERIMENTAL (part) peer review (format check)	<b>EXPERIMENTAL (part) due</b>
Mar 6	<i>Exit Exam (12:20-2:20) Note the extended time</i>	
Mar 13	No class (to make up for the Exit Exam) Start working on RESULTS and DISCUSSION	<b>EXPERIMENTAL (all) due → give directly to your supervisor</b>
Mar 20	No class (spring break) Wrap up your research (if graduating in S19); continue working on Results and Discussion	
Mar 27	RESULTS & DISCUSSION (part) peer-review <b>Discussion/Activity*</b>	<b>RESULTS &amp; DISCUSSION (part) due</b>
April 3	No class (Keep working on your thesis)	
April 10	Maybe no class, or Practice oral presentation (3 students; may exceed class period)***	<b>ALL SECTIONS INTEGRATED due directly to your supervisor</b>
April 17	Practice oral presentation (3-4 students; may exceed class period)***	<b>Get rounds of supervisor check and edits on your thesis</b>
April 24	Practice oral presentation (3-4 students; may exceed class period)***	<b>Continue to perfect your thesis</b>
<b>April 28 (Reading Day)</b>	<b>Senior Thesis Presentation to the Department (Time and location TBD)</b>	
May 4 (Monday)	Senior thesis final deadline (with CHEM4083 Form signed by your supervisor): electronic and two sets of printout (single-sided, color print if appropriate). One set will be bound for your own keepsake.	

\* There will be a small homework assignment for each Discussion/Activity, e.g. mock job search, web search on a given topic, etc.

\*\* All due files must be brought to class either as printout, or in the electronic form to be read on your personal laptop or the desktop computers in TLC2116 (“ACS room”) for peer-review. If the use of the TLC2116 is preferred for the peer-review days, I will book the room ahead of time and inform you of the room change by email.

\*\*\* Only spring-graduating students will do a practice oral presentation. April 10 may be cancelled if all can fit on April 17 and 24 (possibly exceeding the class periods). Each oral presentation consists of 10-12 minutes presentation and up to 5 minutes Q & A.