

Chemistry Capstone

Lecture: S-1-089
Monday: 1:00-1:50

Department Seminar: S-1-89
Wednesday 12:00-12:50

Graduate Seminar: M-1-213
Tuesday 4:30-5:20

Objective #1: To help you prepare your senior thesis

- Encourage you to stay on track, make progress
- Further refine your scientific writing

Objective #2: To teach you skills not part of any other course curriculum

Skills that the faculty want **you** to have before we stamp you as a UMB graduate

- How to understand and judge scientific ethics
- How to conduct scientific literature searches
- How to write a Resume/CV
- How to be prepare for an interview
- How to *present* your science

Tentative Course Schedule

Date	Topic
Monday, September 6	HOLIDAY – Labor Day
Monday, September 12	Introduction to the course and general discussion
Monday, September 19	Refining scientific writing
Monday, September 26	Searching the chemical literature
Monday, October 3	Introduction to scientific ethics and case studies
Monday, October 10	HOLIDAY – Columbus Day
Monday, October 17	Scientific ethics – presentations
Wednesday, October 19	Scientific ethics - presentations
Monday, October 24 (and Wednesday 26?)	Scientific ethics – presentations
Monday, October 31	Career Services – Resumes
Monday, November 7	Career Services – Interviews
Monday, November 14	Posters and presentations – similarities & differences
Monday, November 21	Literature presentations
Monday, November 28	Literature presentations
Monday, December 5	Literature presentations
Monday, December 12	Literature presentations

Grading

Almost everybody will receive an INC for this semester

To pass the course, you must have had your research advisor approve your senior thesis

You must also present your research (as a poster or a talk) at a regional or national conference

Grading

70% of your grade in this course is from your advisor's grading of your thesis

30% is for your work in this class

5% is for participation throughout the semester

5% is for attendance at seminar

5% is for written assignments

5% is for a 15 minute presentation on ethics

5% is for a 20 minutes presentation on the existing literature for your thesis

5% is for a 30 minute presentation on your completed research

Your First Assignment

Think about what skills you and your peers have

Think about what skills your graduate student colleagues have that you don't

Think about what skills your professors have that you don't

Identify **the single most important thing** that you would like to add to this course