



EAST TENNESSEE STATE
UNIVERSITY

College of Arts and Sciences

Department of Chemistry

CHEM 5450 Advanced Laboratory in
Chemistry

Time: F 4:00 pm - 4:50 pm (on scheduled days, typically alternate Fridays)

Place: 476 Brown Hall or office 465

Instructor: Dr. Hua Mei

Office: 462 Brown Hall

Phone: (423) 439-4452 (office)

Email: meih@etsu.edu

Office Hours: T, Th, 11-12 am

Individual assistance may be obtained by appointment or by emailing questions to the instructor.

Course Outline: CHEM 5450 is introduction to graduate research.

D2L Site: A Desire2Learn (D2L) site (<http://elearn.etsu.edu>) for this course is available. All handouts, assignments, etc. will be posted to this site.

Grading:

The grading for this course is P/F (Pass/Fail). **Completion of all course assignments** is required to pass the course.

Schedule and Assignments^{*)}

^{*)} **Note:** These dates are subject to change.

Aug 30 Duck Exam (1:45-3:45) Brown hall 364

Sept 6

The class meets. Discussion topics: Research in Chemistry Department. MS program in Chemistry. Requirements and Forms.

Assignment 1: Select research discipline (Analytical, Inorganic, Organic, or Physical Chemistry). Interview 5 faculty members including everyone in the desired discipline and submit a **faculty interview form** with the signatures of 5 faculty members and a **list of**

The class does not meet.

your 3 top choices of faculty members as your future research advisor.

Due date: Sept 20.

Sept 13

The class does not meet.

Sept 20

The class meets. Discussion topic: Scientific literature search.

Deadline for Assignment 1 (by the beginning of class).

Assignment 2a: Finalize selection of a research advisor and join a research group.

Due date: Oct 4

Assignment 2b: Complete and submit 3 forms: 1) Research Form (CHEM 5950/5960/5990 Form); 2) Selection of the Advisory Committee Form; 3) Program of Study Form.

Due date: Nov 01

Sept 27

The class does not meet.

Oct 4

The class meets. Discussion topic: Scientific writing.

Deadline for Assignment 2a (by the beginning of class).

Assignment 3: Discuss your research project with your new research advisor.

Electronically submit a short (1 or 2 paragraphs) description of the proposed research topic using a dropbox on D2L.

Due date: Oct 18 at 11 pm.

October 11

The class does not meet.

October 18

The class meets. Discussion topic: Writing literature reviews.

Deadline for Assignment 3, description of the proposed research (by 11 pm).

Assignment 4: Electronically submit using a dropbox on D2L a draft of literature review (~ 8 pages double-spaced using Times New Roman 12 font including figures, tables, and references) on the proposed research topic.

Due date: Nov 01 at 11 pm.

October 25

The class does not meet.

Nov 01

The class meets. Discussion topic: Writing research aims.

Assignment 5: Electronically submit using a dropbox on D2L a draft of research aims for the proposed research topic (~1/2-1 pages total, the same format as in Assignment 4).

Due date: Nov 15 at 11 pm.

Deadline for Assignment 2b (Complete and submit 3 forms – in class) **and Assignment 4** (electronically submit using a dropbox on D2L a draft of literature review – by 11 pm)

Nov 8

The class does not meet.

Nov 15

The class meets (**the last class**). Discussion of literature review drafts.

Deadline for Assignment 5, draft of research aims (by 11 pm).

Assignment 6: Combine revised literature review and research aims and electronically submit using a dropbox on D2L as the **revised draft of research proposal** (~ 9-10 pages total).

Due date: Nov 29 at 11 pm.

Nov 22

Class does not meet; individual meetings are scheduled during this period.

Deadline for Assignment 6, revised draft of research proposal (by 11 pm).

Assignment 7: Electronically submit using a dropbox on D2L the **final draft of research proposal** (~ 9 pages total in the same format as in Assignments 4-6).

Due date: Dec 06 at 11 pm.

Nov 29 Thanksgiving break

Class does not meet; individual meetings are scheduled during this period.

Dec 6

Class does not meet; individual meetings are scheduled during this period.

Deadline for Assignment 7, final draft of research proposal (by 11 pm).

Approval of the final draft of research proposal is necessary for passing this course.

Departmental Policies

- **Late Submission of Assignments** – This course schedule is quite intense, and failure to meet required deadlines will put any student in jeopardy of failing this course.
- **Academic Integrity** – Cheating in class is a serious offence and will not be tolerated. As stated in the University Catalog: “Plagiarism, cheating and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly through participation or assistance, are immediately responsible to the instructor of the class. In addition to other possible disciplinary sanctions which may be imposed through the university’s academic misconduct policy as a result of academic misconduct, the instructor has the authority to assign an “F” or a zero (“0”) for the exercise or examination, or to assign an “F” in the course.” Any incident of academic misconduct will result in a minimum grade of 0 on the assignment and will be reported. All students need to read the Departmental Academic Integrity Policy, posted in the syllabus module of this course on D2L.

Disabilities - It is the policy of ETSU to accommodate students with disabilities, pursuant to federal law, state law and the University’s commitment to equal educational access. Any student with a disability who needs accommodations, for example, arrangement for examinations or seating placement, should inform the instructor at the beginning of the course. Faculty accommodation forms are provided to students through Disability Services in the Nell Dossett Residence Hall, Third Floor, telephone 439-8346.

- **Mental Health:** Students often have questions about mental health resources, whether for themselves or a friend or family member. There are many resources available on the ETSU Campus, including ETSU Counseling Center (423) 439-4841; ETSU Behavioral Health & Wellness Clinic (423) 439-7777; ETSU Community Counseling Clinic: (423) 439-4187.

If you or a friend are in immediate crisis, call 911.

Available 24 hours per day is the National Suicide Prevention Lifeline: 1-800-273-TALK (8255).

This syllabus is a tentative course plan for CHEM 5450. Any change or amendment to this syllabus will be made available through the course D2L website and accompanied by an alert on the course D2L website homepage and an in-class announcement.