

**Course Syllabus  
Chemistry 299R  
Fall 2007  
Oxford College of Emory University**

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Class Meets variable times, Pierce rooms 222, 221, and 203

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Office Hours: Tuesday/Thursday (9:30-11:00 am) or by appointment

Welcome to the laboratory. I look forward to working with you on this independent research project. Though we will meet individually to determine the exact nature and goals of your specific project, I have included here a general set of goals to help frame what we will do in this course, as well as some criteria for how your grade will be determined.

Course Goals

- 1) To familiarize the student with more advanced laboratory techniques and scientific concepts in the areas of synthetic organic chemistry, synthetic inorganic chemistry, and/or basic biochemistry.
- 2) To make connections between goal 1) and what the students learn in Oxford College's general chemistry, organic chemistry, and/or biology courses.
- 3) To introduce the student to the type of laboratory work that they might encounter in an advanced undergraduate lab and/or graduate level lab.
- 4) To introduce the student to the literature background research that is required for a laboratory research project.
- 5) To introduce the student to the processes involved in manuscript preparation.
- 6) To begin to foster a mentality of independent scientific inquiry in the student.

Grading

I will determine the grade based on a subjective analysis of the following criteria:

- 1) Consistent attendance.
- 2) Student work ethic.
- 3) Satisfactory completion of a laboratory notebook (see lab notebook guidelines in the course Blackboard site).
- 4) Satisfactory completion of Part I of the research manuscript. This includes the introduction, experimental protocol, and cited references sections of the manuscript. This is due by Dec. 3 (fall semester grade).

5) Satisfactory completion of the entire research manuscript. This includes the abstract, introduction, experimental protocol, results and discussion, conclusions, and cited references. This is due by May 1 (spring semester grade).

6) Completion of a public presentation of the research project (poster and/or talk).