

**Chemistry 130 – Elementary Organic Chemistry**  
Spring 2015, Sec 2, MWF 12:00–12:50pm, SHW 011

**Instructor:** Dr. Matt Parker  
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**Office Hours:** Mon 1:15–2:15pm, CSL 508 / 311  
Fri 1:15–2:15pm, CSL 508 / 311  
and by appointment

**Required Text:** Essential Organic Chemistry, 2nd Edition, Paula Bruice (ISBN-13: 978-0321596956)  
**Optional Model Kit:** Prentice Hall Molecular Modeling Kit for Organic Chemistry  
(ISBN-13: 978-0205081363), or equivalent  
**Optional Text:** Study Guide and Solutions Manual for Essential Organic Chemistry, 2nd Ed.,  
Paula Bruice (ISBN-13: 978-0321592583)

**General:** Chem 130 covers the organic chemistry necessary for students in fields related to health and the environment. Many of you will be taking Chem 160, Introduction to Biochemistry, and Chem 130 prepares you for that course.

**Prerequisites:** The prerequisite for Chem 130 is Chem 100. **If you have not taken Chem 100 or Chem 200, then you should not be taking this course.** (Note: Other college chemistry courses may qualify as a prerequisite. I will consider these and you should see me after the first day of class.)

**Attendance:** You must attend the first **or** second day of class. Sign your name on the appropriate sign-in sheet at the beginning of class. Attendance on other days is not mandatory (except for exam days), but it is expected. Although you will not be directly penalized for not attending lectures, your absence will likely be reflected indirectly as lower course grades.

**Course focus:** Organic chemistry differs from general chemistry in that it focuses on a very small number of elements of the periodic table. Also, there is a great deal of emphasis on geometry and the shapes of molecules. On one level, organic chemistry is like playing with a set of tinkertoys. This can be a very fun aspect of organic chemistry. Therefore I encourage you to purchase the optional model kit for this course so that you can get a better feel for the shapes of the molecules. I think you will enjoy the challenge of visualizing molecules, and the course will be valuable both for this intellectual process and the subject matter itself.

**Exams:** The exams will be multiple choice. There will be **no make-up exams**. Excused absences, substantiated by an appropriate written confirmation, will result in no penalty, and the grade for the class will be computed based on the other remaining exams. **Unexcused absences will result in a “zero”** and will account for an “F” grade for the exam.

Exam 1:       **100** points.  
Exam 2:       **100** points.  
Exam 3:       **100** points.  
Final exam: **150** points. (Cumulative; one third of the final covers the material after Exam 3)  
**Total points: 450**

**Exam schedule.** The exam schedule is as follows:

**Exam 1:**       **Monday, Feb 9**  
**Exam 2:**       **Monday, Mar 9**  
**Exam 3:**       **Monday, Apr 13**  
**Final Exam:** **Wednesday, May 13, 10:30am, SHW 011**

## **Chem 130 Syllabus (continued)**

**Grading scale:** The grading scale is given below. Higher grades will require a significant amount of focus, dedication and understanding of the course material.

90%	A		66%	C
86%	A-		62%	C-
82%	B+		58%	D+
78%	B		54%	D
74%	B-		50%	D-
70%	C+		<50%	F

### **How to succeed in OChem:**

1. Develop good study habits:
  - a. Attend all lectures.
  - b. Take good lecture notes.
  - c. Use your lecture notes as a guide to your reading in the textbook. Write your questions down if there is something you don't understand. Ask your instructor if you don't understand a concept.
  - d. Make flash cards of definitions, concepts, reactions, structures, and nomenclature in the textbook that are emphasized by your instructor in lecture. Writing something is equivalent to reading it ten times.
  - e. Do all the homework problems with the aid of the study guide or answer book. The suggested problems (homework) have about the same difficulty as the problems you will be given on the exams.
  - f. Find a study partner or form a study group and work on problems independently and then together.
  - g. Keep up to date and don't fall behind.
  - h. Seek course advice from science professors and students.
  - i. If necessary, see your instructor or department for a tutor.
  - j. Try to foster your own scientific curiosity – wonder why things are and how they happen.
  - k. Put emphasis on understanding concepts rather than memorizing material.
2. Have a positive attitude.
3. Be organized.
4. Persevere and be determined to succeed.

**Good Luck in Chem 130!**

**Dr. Matt Parker**