

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
Elements of Organic Chemistry, CHM 201 - Course Syllabus – Winter 2015

Lectures: TuTh 1:00–2:15 pm Room 15-1807 Secn 01, CRN 13657
Instructor: **Dr. Laurie S. Starkey** Room 4/1-428 Phone: (909) 869-3670
e-mail: lsstarkey@cpp.edu (SPAM alert: include “CHM 201” in Subject!)
Homepage: <http://www.cpp.edu/~lsstarkey>

Office Hours: (Room 4/1-428) Tue. 2:30-4:30 pm Thu. 9:30-11:30 am

Textbook & Materials:

Req'd: Introduction to Organic Chemistry, 5th edition (Wiley), Brown & Poon

Rec'd: Student Solutions Manual (for above text), William H. Brown

Rec'd: iClicker – available at Bronco Bookstore; must bring to every class for participation credit. This will have to be registered at www.iclicker.com/registration (Student ID = your BroncoID number).

Rec'd: Molecular model sets are available at the SAACS club (Tu 12-1 in 8-241) & Bronco Bookstore.

Course Objectives:

1. To appreciate how organic chemistry is important in your major, career field, and quality of life.
2. To understand basic bonding and structure in organic molecules.
3. To become familiar with the various functional group families including their common and IUPAC nomenclature and some of their typical reactions.

Exams:

Exam I	100 pts	Tuesday, January 27 (50 min. during class time)
Exam II	100 pts	Thursday, February 19 (50 min. during class time)
Final	100 pts	Thursday, March 19 (11:30 am – 1:30 pm)

SCHEDULE: Chapter 1-3, Exam I, Chapters 4-7, Exam II, Chapters 8, 12-14, Final.

Each exam is cumulative but will emphasize the immediately preceding chapters. ***Exams must be taken as scheduled and NO make-up exams will be given under any circumstances.*** If a midterm is missed, the course grade will be based upon the remaining exam scores. No notes will be allowed for the exams.

Grading: A (85–100%) B (70–84%) C (55–69%) D (45–54%) [if Average = 65]

Course Grades: Based on two midterm exams, plus a comprehensive multiple-choice final exam. Participation in daily iClicker questions, occasional quizzes and submitted homework assignments will earn extra points on the exams. This participation will also be used in the event of borderline grades.

Incompletes: An incomplete will be granted only if the student is passing the course (C or better) and has a university-recognized excuse. Otherwise, a grade of WU (unauthorized withdrawal) will be issued if the course is not completed (e.g., if the final exam is not taken).

Prerequisites: CHM 122/122L with a grade of C- or better. Concurrent CHM 250L is required.

Tools for Success: Organic Chemistry is a challenging course that requires a LOT of time and effort on behalf of the student. The following suggestions will give you your best chance to succeed:

- Come to class! If you can't make it, get the notes from someone in your study group. (my what?)
- Read and work through the textbook. Take notes, try problems, be an active participant.
- Work on the textbook problems (answers at the back of the book or in the Study Guide). This is the only way you can get practical experience and working problems is essential for exam preparation. *A minimum of 10% of each exam will be derived directly from the textbook problems.*
- Start studying now. If you wait until a few days before each exam, it'll be too late. **Try flashcards!**
- Review your notes often, ideally before each class. Work through your notes, ask questions.
- Come to office hours. Ask questions about the lecture, your notes, the book, your exam...

Elements of Organic Chemistry, CHM 201				Tentative Schedule	
Week	Mon	Tues	Wed	Thurs	Fri
1	1/5	1/6 Chapter 1	1/7	1/8 Chapter 1	1/9
2	1/12	1/13 Chapter 2	1/14	1/15 Chapter 2	1/16
3	1/19 Holiday	1/20 Chapter 3	1/21	1/22 Chapter 3	1/23
4	1/26	1/27 Exam I	1/28	1/29 Chapter 4	1/30
5	2/2	2/3 Chapter 5	2/4	2/5 Chapter 6	2/6
6	2/9	2/10 Chapter 6	2/11	2/12 Chapter 7	2/13 Holiday
7	2/16	2/17 Chapter 7	2/18	2/19 Exam II	2/20
8	2/23	2/24 Chapter 8	2/25	2/26 Chapter 8	2/27
9	3/2	3/3 Chapter 12	3/4	3/5 Chapter 12	3/6
10	3/9	3/10 Chapter 13	3/11	3/12 Chapter 14	3/13
Finals	3/16	3/17	3/18	3/19 Final 11:30-1:30 pm	3/20

CHM 201 Material Covered (Brown & Poon Text):

- Chapter 1 Bonding and Molecular Shapes
- Chapter 2 Acids and Bases
- Chapter 3 Alkanes and Cycloalkanes

- Chapter 4/5 Alkenes & Alkynes (SKIP sections 4.4, 5.5, 5.7)
- Chapter 6 Stereochemistry
- Chapter 7 Substitution Reactions of Alkyl Halides (RX) (Sections 7.1-7.6 ONLY)

- Chapter 8 Alcohols (ROH) (Sections 8.1 and 8.2 ONLY)
- Chapter 12 Aldehydes and Ketones (SKIP sections 12.7, 12.9 and INCLUDE 15.1)
- Chapter 13 Carboxylic Acids (SKIP sections 13.7, 13.8)
- Chapter 14 Carboxylic Acid Derivatives

Suggested Problems: see course homepage (Solutions to all in-chapter problems, Quick Quiz and odd end-of-chapter problems are at the back of the textbook)