Lectures:  TuTh  9:15–10:30 am  Room 24D-1224  Secn 01, CRN 12009
TuTh  2:30–3:45 pm  Room 15-1823  Secn 02, CRN 12010
Instructor:  Dr. Laurie S. Starkey  Room 4/1-428  Phone: (909) 869-3670
  e-mail:  lsstarkey@cpp.edu  (SPAM alert: include “CHM314” in Subject!)
  Homepage:  http://www.cpp.edu/~lsstarkey
Office Hours (also by appt.)  Tuesdays and Thursdays 10:45-11:45 AM and 1:15-2:15 PM

Textbook & Materials:
Req'd:  Wade & Simek, "Solutions Manual" for above text
Rec'd:  iClicker – available at Bronco Bookstore; must bring to class for participation credit
Rec'd:  Sapling Learning online homework system  https://www.saplinglearning.com
Rec'd:  Molecular model sets are available through SAACS club (Tu 12-1 in 8-241) & Bronco Bookstore.

Exams:
  Exam I  100 pts (25%)  Thursday, January 26 (50 min. during class time)
  Exam II  100 pts (25%)  Thursday, February 16 (50 min. during class time)
  Final Exam  200 pts (50%)  Tue. 3/14 (AM section)  or  Thu. 3/16 (PM section)

SCHEDULE: Chapter 1, Ch. 2, Exam I, Ch. 3, Ch. 5, Exam II, Ch. 4, Ch. 6, Final Exam.
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 = C/C+]
Course Grades:  The student's assigned course grade will be the higher of either: 1) the grade as determined by the total points earned [midterms + final] or 2) the final exam grade. Completion of online homework, answering iClicker questions, and occasional 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:  Must have completed one year of General Chemistry. CHM 317L is NOT co-requisite.

Tools for Success:  Organic Chemistry is a challenging course which 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...

my responsibility (20% of time)  → teach  → understand  → learn  ← your responsibility (80% of time)
### Tentative Schedule

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<tr>
<th>Week</th>
<th>Mon</th>
<th>Tues</th>
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<tr>
<td>1</td>
<td>1/2 Holiday</td>
<td>1/3 Chapter 1</td>
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<td>1/16 Holiday</td>
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<td><strong>Exam I</strong></td>
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<td>5</td>
<td>1/30</td>
<td>1/31 Chapter 3</td>
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<td><strong>Exam II</strong></td>
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<td>2/21 Chapter 4</td>
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<td>3/7 Chapter 6</td>
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<td><strong>Finals</strong> (section)</td>
<td>3/13</td>
<td>3/14 9:10–11:10am (AM section 01)</td>
<td>3/15</td>
<td>3/16 1:40–3:40pm (PM section 02)</td>
<td>3/17</td>
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### Organic Chemistry, CHM 314 Material Covered (Wade Text):

- **Chapter 1** Introduction and Review (Lewis structures, resonance, skip 1-11)
- **Chapter 1** Acid/Base (Proton Transfer) Reactions (*see Solution Manual Appendix 2)
- **Chapter 2** Structure and Properties of Organic Molecules (skip 2-2B)
- **Chapter 3** Structure and Stereochemistry of Alkanes (conformations, nomenclature)
- **Chapter 5** Stereochemistry (skip 5-4D)
- **Chapter 4** Study of Chemical Reactions (& free-radical halogenation; skip 4-16D)
- **Chapter 6** Nucleophilic Substitution Reactions (sections 1-16) (+ brief intro to Elimination Rxns)

**Suggested textbook problems:** ALL but you can skip those listed below (8th edition – see home page for 9th)

**Ch 1:** 12, 13, 14c, 23, 33, 49, 53, 54.  **Ch 2:** 12, 19-22, 24, 42, 44.  **Ch 3:** 30, 37e, 43cd (+ DO **Ch 7:** 1-4).

*Note: you should be able to do the following Chapter 1 problems WITHOUT using a pKa table: 1-15b c f, 1-17a, 1-18af g h i j, 1-38, 1-50, 1-51, 1-52.*

**Ch 4:** 3, 5, 6, 9bc, 10a, 17, 20-23, 33, 48b, 49-57.  **Ch 5:** 8-10, 32, 37, 40, 41.

**Ch 6:** 4, 8, 30-40, 41c, 57, 60, 61, 65, 66, 69-73, 74*, 75, 76 (*skip only the elimination products in 74bcd)

**Academic Integrity:** CHEATING WILL NOT BE TOLERATED.

*If any such situation is suspected, University policies will be strictly followed.*