Instructors:  
Professor Jacquelyn Gervay-Hague  
jgervayhague@ucdavis.edu

Office Hours: by appointment with professor

TAs: 
Nicole Chaffee  
nnchaffee@ucdavis.edu
TA Office Hours: By appointment with TAs

Lectures:  
2:00-5:00 pm. Thursday and 9:00 am - 12:00 pm Saturday
TIGP 207

Course Description: This class will provide an introduction to the chemical principles behind the design and production of pharmaceutical agents. Focus will be on explaining and predicting how small organic molecules bind to biological receptors, inhibit enzymes and get metabolized. This course will draw on and expand upon material covered in introductory organic chemistry such as proposing reasonable arrow-pushing mechanisms for organic reactions and predicting the reactivity of organic molecules with particular reagents.

Textbook:  
Richard B. Silverman
We will cover parts of Chapters 1 through 8.

Course requirements: Course evaluations will be based on the following:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>10%</td>
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<tr>
<td>Quizzes</td>
<td>30%</td>
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<tr>
<td>Midterm exam (April 11, 2014)</td>
<td>30%</td>
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<tr>
<td>Final Exam (April 30, 2014)</td>
<td>30%</td>
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An in class quiz will be given on the following dates: 4/2, 4/9, 4/16, 4/18, 4/23, and 4/25. The lowest quiz grade will be dropped (i.e. the final quiz score will be determined from the student’s five highest scores). A midterm exam will be held in class on Saturday, April 11, 2014. The final exam will be held on Thursday, April 30. Quizzes will provide examples of the types of questions that will appear on the midterm and final exams. Homework problems from the text will also be assigned throughout the quarter but will contribute 10% to the final grade.
Policies:
- **make ups:** There will be no early or late exams or quizzes.
- **final exam:** You must take the final exam in order to pass this class. Students who miss the final exam will receive a grade of "incomplete" only if written documentation for a legitimate reason for their absence is provided and they have a passing grade going into the final exam.
- **regrades:** Legitimate questions about the grading of an exam (either the grading of a particular problem or an addition error in the score) can be submitted up to one week after the exam is handed back. The procedure for handing back an exam for regrade is to attach a separate piece of paper to the front of the exam with your name, the question to be regraded and a brief justification for the regrade. Do not write on the exam itself or the exam may not be accepted for a regrade. **The entire exam will be regraded** when it is handed back for a regrade, not just the problem in question.

**Strategies for success:**
It is recommended that students attend all lectures and take detailed notes, which should become a primary study source. Also, complete and understand all the assigned problems. Don't wait to start studying. Reread notes and work problems after every lecture. Last minute cramming rarely works in any organic chemistry class. Exam material will almost entirely come from the class notes, assigned problems and quizzes. Group study is also highly recommended. The group can compare class notes and help each other understand the material.