

**Organic Chemistry, Chem 309-Section 002, Spring 2006**  
(all information on this document is subject to change)

**Instructor:** Don L. Warner, SN-314, 426-3030, [dwarner@boisestate.edu](mailto:dwarner@boisestate.edu)

**Lecture:** MWF: 9:40-10:30; MP-208

**Office Hours:** MW: 10:40–11:30; Mon: 12-1; Friday: TBA; or by appointment. My schedule is fairly flexible on Monday, Wednesday, and Friday. So, on these days, if my door is open please feel free to stop by. Occasional meetings may require some changes. I am willing to be flexible in scheduling appointments with students who have questions or concerns.

**Pre-requisites:** Chem 307 with a grade of C or better is a prerequisite. Chem 310 is a co-requisite.

**Text:** **Organic Chemistry**, 4<sup>th</sup> edition by Paula Yurkanis Bruice. The study guide and solutions manual for this text is highly recommended. **It is expected that you will read the relevant sections of the text before the corresponding lecture.**

**Website/Blackboard:** This course will use the online program Blackboard to post announcements, class handouts, problem sets and answers, exam answers, practice problems, and other information. It is expected that you will regularly check the website for updates. The login page for Blackboard is <http://blackboard.boisestate.edu>.

**Problem Sets:** There will be 8 problem sets throughout the semester, some that will be administered and handed in electronically via the class website. Two of the assignments will be worth twenty points. The problem sets are designed to provide examples of test questions and to help you keep on top of the course material. **The problem sets will be available at least one week before their due date and must be turned in by the stated time.**

Besides assigned problems, it is highly recommended that you practice as many problems as possible in the text and in the study guide. Suggested problems will be provided.

**Extra Credit Problem Sets:** There are six extra credit problem sets that can be completed for 5 points per assignment. The extra credit problem sets will be available and due in the same manner as the regular problem sets.

**Molecular Modeling:** A tool that has been used by chemists and biologists for quite some time but has just recently become viable on desktop pc's is molecular modeling. It is possible to examine the physical properties of compounds as small as hydrogen gas and as large as proteins. Furthermore, it is possible to examine the energetics of chemical reactions. An introduction to molecular modeling will be accomplished through two assignments using the program PC Spartan. A total of 100 points will be awarded for the molecular modeling assignments. More information will be forthcoming.

**Assignments and Extra Credit Schedules:** All assignments and extra credit problems will be due on the following dates:

Assignment/Extra Credit Schedule							
Assignment	Date Due	Assignment	Date Due	Assignment	Date Due	Assignment	Date Due
PS #1	01/23	PS #3	02/17	PS #5	03/13	PS #8	04/17
EC #1	01/23	Molec. Model. #1	02/24	PS #6	03/20	EC #5	04/24
PS #2	01/30	PS #4	02/27	EC #4	04/03	EC #6	05/05
EC #2	02/06	EC #3	03/06	PS #7	04/10	Molec. Model. #2	05/05

**Exams:** There are four regularly scheduled, 50 minute, 100-point exams.

**Final Exam:** The final exam is mandatory, will be comprehensive, will count 200 points, and will be a standardized exam developed by the American Chemical Society.

**Missed Exams:** If an exam is missed for a compelling reason, a make-up exam may be provided. Supporting information may be requested to substantiate the compelling reason. A failing grade will be received if the final is missed.

Exam Schedule		
Exam	Day	Date
Exam 1	Friday	February 10
Exam 2	Wednesday	March 8
Exam 3	Wednesday	April 5
Exam 4	Friday	April 28
<b>Final Exam</b>	Monday, 10:30 a.m.	May 8

**Course Score and Grade:** The course grade will be based upon:

- 4 hour exams plus the final exam (600 points)
- Problem sets (100 points)
- Molecular Modeling (100 points)
- Extra credit (30 points)

**Note:** The final exam alone can be used for your exam score if you score higher on it than the average of your four in-class exam scores **and if you have completed the molecular modeling assignments, all of the problem sets, and the 4 mid-semester exams.**

**Grading Scale:** 100-90% = A, 89-80% = B, 79-70% = C, 69-60% = D, 59-0% = F. Note: A curved scale may be used.

**Review Sessions:** Review sessions will be held the evening immediately preceding an exam.

**Tutoring:** Tutoring is available through the chemistry department. Additional information will be provided.

**Changes in Credit Status:** Students enrolled as audit or changing from credit to audit will be required to attend class and will only be allowed three absences. Dropping the course without a "W" or changes from credit to audit or audit to credit must be accomplished by Monday, January 30. The last day to drop classes is Tuesday, February 28. If you change your enrollment status to an audit or completely withdraw from the course, you must also withdraw from the laboratory course, Chem 310.

**Special Accommodations/Circumstances:** If there are accommodations that are required for you to succeed in this class, please let me know immediately. If circumstances arise that should be brought to my attention, please let me know and we will work together to find an acceptable solution. My goal is to help you succeed in the class.

**Academic Honesty:** As stated in the Student Code of Conduct, "cheating or plagiarism in any form is unacceptable" and will not be tolerated.

**Nomenclature and Reaction Review:** Nomenclature, reactions and synthesis covered during the Fall semester will be used throughout this semester. It is, of course, part of the comprehensive final exam as well. Because you must use the material to keep it functional, each of the exams will include some of this material.