

CHEMISTRY 109B

Winter 2009

- Instructor:** Paula Yurkanis Bruice
- Text:** "Organic Chemistry", fifth edition by P. Y. Bruice
"Solutions Manual and Study Guide", fifth edition by P. Y. Bruice
- WEB sites:** <http://www.chemplace.com> (molecule gallery, practice tests)
<http://www.chem.ucsb.edu/coursepages/> (syllabus and answers to midterms)
- Homework:** Homework assignments are listed in the syllabus. They are not to be turned in. The answers to all problems are in the Solutions Manual. There are practice tests at the end of each chapter in the Solutions Manual that might be helpful. The answers are in the back of the Solutions Manual.

BRING A PICTURE ID TO ALL MIDTERMS AND EXAMS

- Mid-terms:** Friday, January 30
Friday, February 13
Friday, March 6
- Final Exam:** ????????
- You are required to take only two of the three midterms. If you take all three, your lowest grade will be dropped. If there is **any reason** that you are unable to take a midterm, that one will be your "drop." In cases where your attendance is **required** at a University-sponsored event (e.g., field trips, intercollegiate athletic events, etc.), the midterm may be taken BEFORE the scheduled time. Prior arrangements must be made and your required absence on the day of the scheduled midterm must be verified by a letter from your professor or coach.

THERE WILL BE NO MAKEUP MIDTERMS OR FINALS

- Grading:** The final exam has the same number of points as two midterms. If the sum of the two midterms is higher than the final, the midterms will count 60% and the final 40% towards the final course grade. If the final is higher than the midterms, the midterms will count 20% and the final will count 80% towards the final course grade.
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| A's = 88 – 100% | C's = 63 – 75.9% | F's = < 50% |
| B's = 76 – 87.9% | D's = 50 – 62.9% | |

- Office Hours:** Monday, Wednesday, Friday 12 noon to 1:00 PM; Monday 12 noon to 2 PM
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1. Problems marked with a diamond have a short answer in the back of the text.
2. Complete answers to all the questions in the test are in the Solutions Manual.
3. Each chapter contains at least one box labeled "Problem-Solving Strategy"; the problem that follows it allows you to try the strategy. Pay close attention to these.

Chapter 11	Sections 11.1-11.09 Problems 1-19; End of chapter problems 20, 22, 23, 24, 28, 29, 31, 32
Solution Manual: Special Topic VII p. 359 (This will take about 15 minutes. It will be well worth your time in terms of your final grade!)	
Chapter 10	Sections 10.12-10.13, 10.9 Problems 33-39; 25-30 End of chapter problems 45, 46, 51
Chapter 14	Sections 14.1-14.16, 14.18, 14.19 Problems 1-29; End of chapter problems 30, 31, 32, 33, 34, 35, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46
Chapter 15	Sections 15.1-15.12 Problems 1-31; End of chapter problems 34, 35, 36, 37, 38, 39, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 59
Chapter 16	Sections 16.1-16.23 Problems 1-44; End of chapter problems 45, 46, 47, 48, 49, 50, 53, 54, 55, 58, 61, 62, 63, 64
Chapter 17	Sections 17.1-17.13, 17.16-17.18 Problems 1-39, 42-44; End of chapter problems 45, 46, 47, 48, 49, 50, 51, 52, 53, 58, 59, 60, 61, 62
Chapter 18	Sections 18.1-18.20, 18.22 Problems 1-36, 38-42, 44-47; End of chapter problems 49, 50, 52, 53, 55, 56, 60, 67, 78
Chapter 19	Sections 19.1-19.7, 19.9 Problems 1-24, 26-28; End of chapter problems 30, 31, 32, 33, 34, 35, 36, 37
Chapter 20	Sections 20.1-20.10 Problems 1-24; End of chapter problems 26, 27, 28, 29, 38, 42, 43
Chapter 12	Sections 12.16-12.20 Problems 34-40; End of chapter problems 44, 46, 59, 64