

Chemistry 162 (sec. 1), Spring 2008

Time/Place:
M,W,F 2:30-3:20 PM
Bilger 152

INSTRUCTOR: Prof. David Muenow
OFFICE: HIG 410
PHONE: 956-7666

TOPIC	RECOMMENDED REVIEW QUESTIONS AND PROBLEMS*
1. Chapt. 12: Intermolecular Forces, Liquids, Phase Changes	Chapt. 12: 8,9,10,11,12,13,16,29,31,37,40,41,49,52,63,68,80,88,94,98,104,106,114,122
2. Chapt. 13: Solids and Their Structure/Properties	Chapt. 13: 3,5,7,8,16,17,18,20,22,23,25,26,28,56,57,94,98,102,104,106,108,112,124
3. Chapt. 14: Properties of Liquid Solutions	Chapt. 14: 3,4,5,10,13,14,15,16,17,24,27,31,37,38,43,47,54,56,58,63,67,71,75,77,81,83,87,89,95,97,101,103,109,113
EXAM #1	Wednesday, February 13
4. Chapt. 20: Thermodynamics (defer sec. 20.8 and 20.9 to topic 5; review Chapt. 7, secs. 7.5 to 7.8)	Chapt. 20: 2,4,6,8,9,15,18,20,21,23,26,27,30,34,36,51,53,54,56,58,62,64,66,70,72,74,76,80,100,102
5. Chapt. 16: Chemical Equilibrium (also read secs. 20.8 and 20.9)	Chapt. 16: 5,9,14,15,19,25,35,41,43,45,47,49,53,55,61,67 Chapt. 20: 39,42,43,48,82,86,92,94
EXAM #2	Wednesday, March 5
6. Chapt. 17: Acids and Bases (review in Chapt. 5, secs. 5.5,5.6 and 5.7)	Chapt. 17: 1,2,3,4,8,9,11,16,20,23,30,31,34,42,44,48,58,60,64,66,68,70
7. Chapt. 18: Acid/Base Equilibria	Chapt. 18: 7,14,16,17,25,28,32,35,39,46,52,54,60,62,64,70,74,76,82,86,96,104,112,116,118,120
8. Chapt. 19: Solubility Equilibria	Chapt. 19: 2,14,16,20,22,26,28,30,42,46,50,56,62,76
EXAM #3	Friday, April 18
9. Chapt. 15: Chemical Kinetics	Chapt. 15: 5,6,7,11,13,15,19,23,26,27,29,35,40,42,47,49,55,57,59,64,66,74,76,80,82,88,90,94,96,108
10. Chapt. 21: Electrochemistry	Chapt. 21: 1,3,7,9,11,14,17,20,22,24,27,33,34,35,41,45,51,52,53,59,61,68,70,72,74,78,88,92,102,104,108,114,116,120

FINAL EXAM, Friday, May 16, 2:15-4:15 PM

*Chemistry, Matter and its Changes, Brady and Senese, 4th ed., Wiley & Sons 2004.

GENERAL INFORMATION, Chem 162, Sec. 1, Spring 2008

TEXT: Chemistry, Matter and its Changes, Brady and Senese, 4th edition, Wiley & Sons, 2004

PAPERBACK: Student Solutions Manual to accompany Brady text

HOMEWORK: Problems to solve and review questions to answer for each chapter are listed on the reverse side. This homework will not be collected or graded, but it is very important that you take the time to solve all of these problems. This is an essential part of the study of chemistry, and your score on the exams will reflect your problem-solving ability. Answers to the Review Problems and Questions are given in the Solutions Manual.

CALCULATORS: You should be using a calculator to solve the problems in this course. Calculators are permitted during exams; calculators may *not* be shared during exams.

EXAMINATIONS: Your grade in this course will be based on your performance on the examinations. Three one-hour mid-term exams will count 25% each. The remaining 25% will come from your grade on a two-hour cumulative final exam. The exams are all multiple-choice and are scored by a computer.

Exam results will be available in the tutorial room, Bilger 337, after each examination is graded.

EXAMINATION ABSENCES: No make-up examinations will be given. Absence from an examination will be excused for illness if certified by a written statement from a physician. If you are unable to take an examination, please notify me prior to the exam, if at all possible. In any event, you must contact me if you miss an exam or a score of zero will be assigned.

TUTORIAL ROOM: In addition to my office hours and previously scheduled appointments, Bilger 337 is available as a study / tutorial room. This room will be staffed by graduate teaching assistants Monday through Friday. Please check the posted schedule for the times when tutors are available.