

CHEMISTRY 142

Dr. Saadein

Fall 1998

Text. "Chemistry," 5th ed., by Chang.

Optional: Study guide, student solutions manual.

Laboratory manual: sold by the Chemistry Department.

Carbon-copy lab notebook.

Safety glasses for lab.

Attendance. All students are expected to attend all lecture and laboratory sessions. However, it is recognized that emergencies may arise which will necessitate absences from class. A student should notify the instructor if an absence is due to illness or other emergency. Students are responsible for all material covered in lecture if absent.

Students are allowed 2 absences in lecture and NO ABSENCES in lab.

Students who exceed the 2 absence limit in lecture for whatever reason will lose 1 point for the next absence (number 3), 2 points for the next absence (number 4), and 3 points for each additional absence (numbers 5 and up). These points will be deducted from the final course average.

Make-up exams are not given, regardless of the reason an exam was missed. If a student misses an exam and presents the instructor with an acceptable excuse, the grade on the final exam will count in place of the missed exam grade. The instructor must be notified by the day of the exam that the student will not be present and must be given the reason for the absence. If the excuse is not considered acceptable, the exam grade will be a zero. It is up to the instructor to make the determination as to whether an excuse is acceptable. In general, illness or an emergency situation are the only acceptable excuses for missing an exam. Missing an exam also counts as an absence in the course.

Being late to class is rude and distracting. Therefore, 3 tardies will be considered equal to 1 absence. If you come in late, it is your responsibility to see the instructor immediately after class to ensure that you are marked tardy and not absent. No adjustments will be made at a later time. The instructor reserves the right to exclude from further classroom participation a student who is continuously tardy.

NOTICE: Falsification of information regarding absences is a breach of academic integrity and a violation of the Oxford College Honor Code.

Problems. At the end of each chapter, problems will be recommended which should help you in understanding the material. These problems are for your benefit only; they will not be taken up or graded. Since general chemistry is a problem-oriented course, and the tests

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will consist mainly of problems, it is essential that you become proficient in working problems such as those found at the end of the chapters. You should work problems as you encounter the material. You should also attempt each problem before seeking help from the book, your notes, or the answer. It is not sufficient to be able to follow how a problem is worked; on a test, you will have to work a problem all the way through, and the only way you will be able to do this is if you have worked numerous practice problems.

Tests. There will be 4 exams, given approximately every 3-4 weeks. These will be given in class. Each exam will last 55 minutes. For an exam, you may bring only a calculator and pencils; any other material will be given out with the exam. Make sure your calculator is working and that you know how to use it. You must take the exam during your regular class time. If you come in late, you will not be given extra time to finish the exam. The honor code applies to all exams.

Exam schedule.

Exam I Thursday, September 17

Exam II Thursday, October 19

Exam III Thursday, November 5

Exam IV Thursday, December 3

Final Exam. There will be a final exam, covering the semester's material. This will be given during the regularly scheduled final exam period.

Schedule. We will cover chapters 12 (sections 8-9), 23 (sections 3, 5 and 7), 13-17, 19, 20 and 24; if time permits, we will also cover some of chapter 25.

Preparation for class. The pace of this course is such that it normally is not sufficient merely to attend class and take notes. You must also make use of your textbook. Before coming to class, you should read the material to be covered; after class, you should read back over this material as well as your class notes.

Review sessions. A review session will be held before each exam; the date and time will be announced in class. These sessions are optional and voluntary; no new material will be covered. Students normally come to a review session to ask questions that have come up while studying or to see problems worked.

Laboratory. Your laboratory instructor will explain the lab procedures to you. The lecture and laboratory are designed to coordinate so that you will have covered material in class before being required to use that material in lab. As you will note under Grading, there are penalties assessed for a low lab average and for low individual lab grades.

Office Hours. 11:30 - 12:30, Monday and Friday. My office is Pierce 216.

Grading. The final will count as two exam grades, giving a total of 6 (4 exams + final counting twice). The lowest of these 6 grades will be dropped. This average will constitute your grade in the course, along with any adjustments from lab and attendance.

Computer software to accompany this course is provided in the PC computer labs. (See the computer software handout.) It will enhance your understanding of the material if you use this software. Note that the computer lab may be closed during breaks and after the last day of classes.

Your lab grade will be used to determine what adjustment, if any, is made to your course average:

| | | | |
|-----------|---------------|--------------|-----|
| 93 and up | +2 | 73 - 75 | -4 |
| 90 - 92 | +1 | 70 - 72 | -5 |
| 85 - 89 | no adjustment | 67 - 69 | -6 |
| 82 - 84 | -1 | 64 - 66 | -7 |
| 79 - 81 | -2 | 61 - 63 | -8 |
| 76 - 78 | -3 | 58 - 60 | -9 |
| | | 57 and below | -10 |

In addition, for every lab report which is below 50, 1 point will be subtracted from your course average. Lab grades are not rounded.

Grades are normally assigned as follows, with no rounding:

| | |
|------------|------------|
| 93 - 100 A | 77 - 79 C+ |
| 90 - 92 A- | 73 - 76 C |
| 87 - 89 B+ | 70 - 72 C- |
| 83 - 86 B | 67 - 69 D+ |
| 80 - 82 B- | 60 - 66 D |
| | below 60 F |