

Spring 2001

TEXT

"Introduction to General, Organic, and Biochemistry," 5th Edition, by Bettelheim and March.

Laboratory manual to accompany text.

Optional: Student study guide.

PURPOSE.

Chemistry 120 is designed primarily for pre-nursing and allied health majors. This course will provide each student with an opportunity to acquire an understanding of:

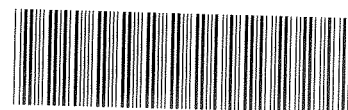
- basic organic synthesis and structural determination by qualitative methods
- covalent bonding and hybridization of atomic orbitals in organic molecules
- structure, nomenclature, physical properties of specific functional groups:
 - saturated hydrocarbons; unsaturated hydrocarbons; alcohols and phenols;
 - amines, aldehydes and ketones; carboxylic acids and functional derivatives of carboxylic acids
- stereochemistry and chirality

EXPECTED RESULTS

Prior to the completion of the course, each student will have an opportunity to demonstrate his/her comprehension of concepts and competence in the topics stated above.

ASSESSMENT PROCEDURES

Each student will complete several hour-long examinations and short quizzes covering the material contained in the required text book and in-class lectures as well as a comprehensive final exam covering the entire semester's material. Each student's exam will consist of both quantitative and essay questions. Each student's exam will be judged by standards of logically organized and presented work--quantitative answers must show the reasoning used and be correct in magnitude and precision. Answers to essay questions must be thorough and demonstrate correct grammar, spelling, and punctuation. Each student will also participate in a laboratory for three hours once a week (see separate description of lab).



USE OF ASSESSMENT FINDING

Each exam is graded; written corrections and criticisms are included. Each exam is returned at the next class period and thoroughly discussed--problems are worked on the blackboard and correct answers are explained to the class. Individual appointments are made with the students who seem to be having unusual difficulty. After the course is completed, each student will complete a standardized course evaluation form.

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. 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

Chemistry is inherently a problem-oriented course and tests will emphasize problem working; therefore, it is imperative that you become proficient at working problems on each topic. There are problems within each chapter; all of these should be worked and may be checked with the answers at the back of the textbook or in the study guide. In addition, problems at the end of each chapter will be assigned for you to work; you may also check these at the back of the textbook or in the study guide. These problems are for your own benefit only; I do not take them up or check them. 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.

EXAM SCHEDULE

Hour exams will be scheduled on class time after each chapter (Chapters 10-18) is covered.

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 10-18 this semester.

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.

OFFICE HOURS

My office is Pierce 216. I am usually in my office and available from 9-5 every day. Exceptions are around lunch time and during class and labs.

HONOR CODE

It is assumed that all Oxford College students will adhere to the highest standards of academic honesty and will uphold the Oxford College Honor Code.

On exams, you may not use any material not distributed with the exam itself except for calculators and pencils/pens. Any other material you bring into the room must be left at the front of the room. During an examination, you may not give or receive assistance. On assignments for outside class the work is to be your work alone – you may not give or receive any assistance, and you may use only materials authorized. Since absences and tardies can affect your grade, giving false information regarding absences or tardies is a violation of the Honor Code. Note also that the Oxford College Honor Code expects students to report any violations of the Code they have knowledge of.

GRADING

The lowest hour-exam will be dropped; the average of the others will constitute 60% of the course grade. The final will constitute 20% of the course grade. Lab grades will constitute another 20% of the course grade:

Hour Exams	50%
Quizzes	10%
Final Exam	20%
Lab grade	20%
Total	100%

Grades are normally assigned as follows:

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