

**Chemistry 21A: Survey of General and Organic Chemistry
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Chemistry 21A is the first semester of a two-semester sequence designed to provide students with the skills and knowledge needed to satisfy the requirements for several allied health related majors, especially the pre-Nursing major. This course presents the fundamental principles of inorganic chemistry and begins the study of organic chemistry.

Chemistry 21A fulfills the chemistry prerequisite for Biology 1B, Microbiology 33, and Physiology 31, and provides the foundation necessary for success in Chemistry 21B (the second course in the sequence).

Prerequisite: Mathematics 40 (Elementary Algebra) or equivalent.

Materials:

1. Seager and Slabaugh, *Chemistry for Today: General, Organic, and Biochemistry*, 6th Ed.
2. Campbell, *Chemistry 21A Packet*
3. Peller, *Exploring Chemistry: Laboratory Experiments in General, Organic, and Biological Chemistry*, 2nd Ed. (NOTE: this is the LAST semester this lab text will be used!)
4. Safety goggles (Instructor approved - do not purchase until "fitted" in class)
5. Calculator (able to handle exponential notation calculations and logarithms)
6. OPTIONAL: *Study Guide and Solutions Manual for Seager and Slabaugh's Chemistry for Today: General, Organic, and Biochemistry* 5th Ed.
7. A set of different colored pens or pencils is recommended for note taking!

Grading: Final letter grades will generally be assigned according to the following percentage of total points earned (but see Special Notes below):

Grade	Percent
A	90 - 100%
B	80 - 90%
C	65 - 80%
D	55 - 65%
F	below 55%

Approximate distribution of points:

Tests (3 @ 100 points each)	300
Quizzes (9 @ 20 points each)	180
Laboratory (total points)	240
Assignments/Other	30
Final Exam	250
Course Total	1000

SPECIAL NOTES: 1) Because chemistry is a laboratory science, passing work (55% or more of possible points) in the Laboratory portion of the course is required in order to earn an overall grade of "C" or higher, regardless of test and quiz scores.

2) A minimum of 65% in the Lecture portion of the course (quizzes, exams, assignments, final exam) is required in order to earn an overall grade of "C" or higher, regardless of lab scores. 3) An especially high or low grade on the Final Exam will influence your course grade more than indicated above!

The Final Exam is CUMULATIVE and comprehensive, through the last day of lecture!