

CHEMISTRY 1120 - "ELEMENTARY BIO-ORGANIC CHEMISTRY"
Spring 2009

Time: MTWRF 2-2:50 p.m. **Place:** SC 230
Instructor: Marilee Murray
Office: SC 220
Office Hours: Mon 12-1 p.m; Tues, Thurs 1-2 p.m; Wed, Fri 10-11
a.m. **or by appointment**
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Required Text: Fundamentals of General, Organic and Biological Chemistry, 5th edition; John McMurry and Mary E. Castellion.
Published by Prentice Hall.

Recommended Material: "Study Guide and Full Solutions Manual"
Susan McMurry

Course Description: Chemistry 1120 is an introduction to organic chemistry and biochemistry designed for family and consumer sciences, agriculture, nursing, and other students who need only one semester of this material. The first portion of this course will cover hydrocarbon chemistry and the chemistry of organic functional groups. The second portion of the course will be an overview of the different classes of biochemical molecules and the basic processes of metabolism.

Course Objectives: CHEM 1120 is taught with the following goals in mind; (1) to develop a basic understanding of the principles and concepts of organic biochemistry, (2) to provide an understanding of chemistry's importance both to the student as an individual and to society as a whole, (3) to gain thinking, problem solving and logical reasoning skills.

Pre-requisite: CHEM 1110 with a grade of C or better.

Co-requisite: CHEM 1125 Lab.

Grading: During the semester there will be 3 hour exams worth 100 points as well as a comprehensive midterm and final exam worth 150 points each. Following is a tentative schedule:

<u>Exam</u>	<u>Date</u>	<u>Material Covered</u>
1	January 23	Chapters 12, 13, 14
Midterm	February 13	Comprehensive ACS Organic Exam Chapters 12-17
3	March 6	Chapters 18, 19, 20
4	March 30	Chapters 22, 24, 26, 27
Final	May 1	Comprehensive ACS Biochem Exam Chapters 18-29
	1:00-2:00 P.M. SC 214	
	(Chapter 29 will be covered during the semester)	

Note: It is a departmental policy to retain all exams. We will go over them in class and answer any questions, and they will also be available for discussion during office hours.

In addition there will be 5 quizzes, announced and unannounced, worth 20 points each. The resulting total of exams and quizzes will be 700 points and the grade distribution will be:

651 or higher	= A	560-580	= B-	469-489	= D+
630-650	= A-	539-559	= C+	441-468	= D
609-629	= B+	511-538	= C	420-440	= D-
581-508	= B	490-510	= C-	Below 420	= F

Pay particular attention to the "Chapter Goals" at the beginning of each chapter. Worked examples and follow-up problems within the chapter address those goals and are strongly recommended for your practice. Test items will reflect the goals and selected problems at the end of the chapters will serve as practice for their mastery.

Attendance Policy: Attendance is not a part of the grade for this course. However, regular attendance is expected. Presence in class is the only way to get quiz points.

Missed Examinations: You must also be present on the day of exams. If an hour exam is missed without making prior arrangements in the case of **extenuating** circumstances, a score of zero will be given. If the midterm or final exam is missed for **legitimate** reasons, a grade of "I" will be assigned, which can be removed when a make-up examination is given at a later date.

Academic Dishonesty Policy: Academic dishonesty will not be tolerated and will be prosecuted to the fullest extent. Academic Dishonesty includes but is not limited to cheating, fabrication, plagiarism or facilitating dishonesty. Except for cases of major offenses, responding to academic dishonesty is the responsibility of the instructor of the course in which the dishonesty occurs. If a student is guilty of academic dishonesty, the consequences may range from admonition or formal reprimand to dismissal from the class and may include a failing grade for the assignment, exam or course. Other penalties for severe infractions will be dealt with, based on SUU's Policies and Procedures - 11.2. Student's rights and responsibilities are also detailed in the student handbook.

Disability Statement: Students with medical, psychological, learning, or other disabilities desiring academic adjustments, accommodation, or auxiliary aids will need to contact the Disability Support Center in the Sharwan Smith Center Building, Office 206F, phone (435) 865-8022. the Disability Support Center determines eligibility for and authorizes the provision of these services and aids.

Course Fee Statement: The College of Science has a centralized fee of \$2/credit hour to be used for the continuous improvement of the quality of our science courses.

Disclaimer: Course content may vary from the official statement to meet the needs of this particular group.