Welcome to CHEM 107, Organic and Biochemistry Survey. This is the second course in a two-semester sequence designed primarily for students of nursing, and some other fields of science and health professions who will take no more than one year of chemistry.

**Student Learning Outcomes:**

Upon completion of this course, students should be able to:

- Show that they understand the general importance of organic compounds.
- Classify organic compounds into families according to functional group.
- Name and draw structural formulas of simple organic compounds.
- Identify common structural features and chemical reactions of organic compounds.
- Identify major classes of biomolecules and explain their functions.
- Explain how biological systems work at the molecular level, especially with regard to the metabolism of carbohydrates, lipids, and proteins.
- Apply knowledge about metabolism to various health-related issues.

In addition to these learning outcomes, each chapter of the text begins with specific learning objectives that students should use as a guide to learn the information in the chapter and to prepare for quizzes and exams.

**Required Texts**


3. Tutor materials available only from [www.wasatchtextbooks.com](http://www.wasatchtextbooks.com).

Both texts may be available in the campus Bookstore, [Wasatch Textbooks](http://wasatchtextbooks.com), and from the publisher, Cengage Learning.

**Calculator**

A calculator is needed for many homework and exam problems. An inexpensive scientific calculator will suffice.

**Exams**

There will be a quiz on each of the chapters. Each quiz is worth 20 points. There are four major exams.

You will received your quiz and exam scores immediately upon finishing the quiz or exam.

The chapter quizzes will be taken on your own computer using a testing program that gives you immediate feedback on the quiz. There are set dates for the completion of the chapter quizzes. For those dates, see your ChemWeb gradebook account. Prepare for these quizzes by completing the Tutor assignment for that specific chapter. The Tutor is discussed under Assignments. The quizzes are "open-book" but you should prepare for them as though they were not. That strategy will help you prepare and do well on the exams, which will seem much harder because they are not open book. Prepare for the exams by reviewing the Tutor assignments, the chapter quizzes, and the practice exercises.
The exams are available with the supervision of a proctor. You will need a photo ID and must start the exam at least one hour before closing. The exams will be taken using the computer testing program. See the Exams site for instructions.

No make up exams will be given. A schedule of exams is found in your ChemWeb gradebook account.

Assignments

Completion of the Tutor review for each chapter is required. The Tutor is a page-by-page commentary focusing on important concepts. If you master the Tutor, you will do very well on the chapter quizzes, and exams. Complete this work and submit a copy, scanned copy, typed copy or other digital file format of your work for credit in ChemWeb.

Be sure to always check the "More Help/Practice" buttons in the Tutor and the "Skill Enrichment Questions" at the end of each Tutor chapter. They often highlight areas students have had questions about in the past and show alternative ways to solve problems.

Laboratory

Chem 107L students only - You will not be required to come to the campus to complete the laboratory portion of this course.

Once lab work is submitted online for grading, lab usually is completed within a couple of days of submission. Sometimes the lab graders get loaded down and it can take up to a week occasionally.

Course Grades
Two separate grades will be given; one for the lab and one for the lecture portions of the class. Grades will be assigned on the basis of the total number of points accumulated:

The following scale based upon total course points will be used to establish grades:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Points Each</th>
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<tbody>
<tr>
<td>Lab Experiments (12)</td>
<td>20 points each</td>
</tr>
<tr>
<td>Chapter Quizzes (12)</td>
<td>20 points each</td>
</tr>
<tr>
<td>Tutor CD Activities (12)</td>
<td>4 points each</td>
</tr>
<tr>
<td>Exams (4)</td>
<td>99 points each</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>100-90%</td>
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<tr>
<td>B</td>
<td>89-80%</td>
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<tr>
<td>C</td>
<td>79-70%</td>
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<tr>
<td>D</td>
<td>69-55%</td>
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Extra Credit No extra credit will be offered for this class.

At the discretion of the instructor, lower point percentages may be used for certain grades (curve).

Disabilities Act:

Any student who feels he/she may need academic accommodations or access accommodations based on the impact of a documented disability should contact and register with Disability Services during the first week of class. Disability Services is the official office to assist student through the process of disability verification and coordination of appropriate and reasonable accommodations. Students currently registered with Disability Services must obtain a new accommodation memo each semester. For information contact: Ernetta L. Fox, Director Disability Services, Room 119 Service Center, (605)677-6389, www.usd.edu/ds; dservices@usd.edu

Cheating/Plagiarism Policy - (from official University Policy)

Because the entire educational process rests upon an atmosphere of academic honesty and trust, the University community must promote and
protect the sanctity of such an environment. To that end, the College of Arts and Science considers the following infractions as being inimical to the objectives of higher education:

Cheating is defined as intentionally using or attempting to use unauthorized material, information, or study aids in any academic exercise. Plagiarism is defined as intentionally or knowingly representing the words or ideas of another as one's own in any academic exercise (from Student Conduct Code)

At the discretion of the instructor, a student caught cheating or plagiarizing may be:

a. given a zero for that assignment or exam
b. allowed to rewrite and resubmit the assignment or exam for credit
c. assigned a reduced grade for the course
d. dropped from the course
e. failed in the course

**SDBOR - Freedom in Learning Statement**

Under Board of Regents and University policy student academic performance may be evaluated solely on an academic basis, not on opinions or conduct in matters unrelated to academic standards. Students should be free to take reasoned exception to the data or views offered in any course of study and to reserve judgment about matters of opinion, but they are responsible for learning the content of any course of study for which they are enrolled. Students who believe that an academic evaluation reflects prejudiced or capricious consideration of student opinion or conduct unrelated to academic standards should contact the dean of the college that offers the class to initiate a review of the evaluation.