I. Course Overview

A. Basic Information

Department: Chemistry
Course Prefixes: CHM201, Section 10400
Course Title: Introduction to Organic and Biological Chemistry
Credit Hours: 4

B. Instructor’s Information

Name: Ghassan M. Saed, Ph.D.
Office: Room 385, HHS
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Office Fax number: (248) 370-3221
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C. Catalog Course Description

Brief survey of organic and biological chemistry, emphasizing applications to human physiology. CHM 201 may not be used for major or minor credit in chemistry, biology or physics, except for the STEP minor in chemistry.

D. Required Text

Fundamentals of General, Organic, and Biological Chemistry by McMurry and Castellion, Fourth Edition or later edition. You also need to purchase an access code which will allow you to browse the course pack materials and quizzes. The book and the access code are available at OU bookstore.
II. Course Goals and Objectives

In CHM 201 you will learn the following:

1. The nature of organic molecules.
2. Naming of organic molecules.
4. Introduction to Carbohydrates, Proteins, and Lipids.
5. Metabolism of food (carbohydrates, proteins and lipids).

III. Course Policies and Procedures

A. Web site

You are required to log-in to the WEB-CT regularly. You are responsible for all the information posted for this course. Please use the discussion board for all your questions. Discussion board can be viewed by all students and is a very useful communication tool. I check the discussion board almost daily. If you have a private matter you need to discuss with me please use the course web-ct e-mail. Do not use my Oakland e-mail.

B. Course materials

The course will be divided into two sections.

*Section I, which include the following chapters:*
Chapter 12 (Alkanes)
Chapter 13 (Alkenes, Alkynes, and Aromatic Compounds)
Chapter 14 (Alcohols, Phenols, Ethers, and Thiols)
Chapter 15 (Amines)
Chapter 16 (Aldehyde and Ketones)
Chapter 17 (Carboxylic Acids and Their Derivatives)

*Section II, which include the following chapters:*
Chapter 18 (Amino Acids and Proteins)
Chapter 22 (Carbohydrates)
Chapter 24 (Lipids)
C. Homework assignments

At the end of each chapter there is a section labeled as “Additional problems” which is divided into two types of problems; red and black. The red problems are answered in the back of the book. The black problems are answered in the study guide. You are requested to do all red problems for each chapter listed in sections I and II. This should help you understand the chapter. Make sure that you understand how to solve each problem and I will guarantee you an A in this class. Section I homework assignment is due on the day of the mid-term exam. Section II homework assignment is due on the day of the final exam.

D. Grading and Examination

There will be a mid-term and a final multiple-choice exams (No comprehensive final exam will be given), and homework assignments.

The graded work will be:

- Exam I 200 points
- Exam I homework assignment 36 points (6 points/chapter)
- Final Exam 200 points
- Final exam homework assignment 36 points (6 points/chapter)

Examinations are based on material covered in the textbook. Exams will consist of multiple-choice questions.

No Make-up exams are given. Should you miss an exam for non-legitimate reasons, you will receive a grade of zero on the missed examination. If you missed an exam for a legitimate reason, we can negotiate.

The maximum number of points that any student can accumulate is 472 points. Final numeric grades will be based on parameter H. A score of H or
higher will be assigned a 4.0 grade. About half of the score will be assigned a 1.0 grade, with a linear grade scale in between. Students with total points less than about H/2 will receive a 0.0 grade. Personal grades are not available by e-mail but are available on the WebCT site.

E. Laboratory Experiences
No laboratory

F. Office hours

Office hours are tentatively scheduled every Saturday from 10:00 to 11:00 AM throughout the course. You are requested to log-in to the chat forum during office hours for questions. Office hours time and duration might change dependent on our need.

IV Timetable

Exam I: is scheduled for Saturday (to be announced) from 10:00 to 12:00 AM in room (to be announced)

Final Exam: is scheduled for Saturday April 22, 2006 from 10:00 AM to 1:00 PM in room (to be announced)