CHM201 COURSE SYLLABUS
Oakland University College of Arts and Sciences
Winter 2009

I. Course Overview

A. Basic Information

Department: Chemistry
Course Prefixes: CHM201, Section 10112
Course Title: Introduction to Organic and Biological Chemistry
Credit Hours: 4
Class meets Tuesdays and Thursdays, 8:00 AM – 9:47 AM in Room 190 in Hannah Hall

B. Instructors’ Information

Name: Ghassan M. Saed, Ph.D.
Office: Room 385, HHS
Mailbox: 264 SEB under name of Saed
E-mail Address: saed@oakland.edu
Office Fax number: (248) 370-2321
Mailing Address: Chemistry Department, Oakland University, Rochester, MI 48309-4477
Office Hours: Before or after class or by appointment. Feel free to e-mail me at anytime.

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

Textbook: General Organic and Biological Chemistry 5th edition or higher, w/ media, McMurry, Castellion and Ballantine, Pearson/Prentice Hall, 2007

II. Course Goals and Objectives

1. Name organic compounds according to IUPAC.
2. Recognize various organic molecules and their biological functions.
3. List the sequence of events in the digestion of carbohydrates, proteins,
and lipids
4. Identify the major reactions and products of food catabolism and the fate of the products.

III. Course Policies and Procedures

A. Web site
Course Pack is now available. Please browse through it before coming to class. You are requested to check the announcement section on this site for homework assignments and other information related to this course.

B. Grading
There will be four multiple-choice exams (No comprehensive final exam will be given) and homework assignments. The due dates for these activities are shown in Time table.

The graded work will be:
4 multiple-choice exams 100 points each
12 homework assignments 2 points each

The maximum number of points that any student can accumulate is 424 points. Final numeric grades will be based on the highest score in the class, which will be assigned a 4.0 grade. Grades will be calculated using the following formula: student’s total points divided by the highest number of points earned out of the whole class multiplied by 4. Obviously, the highest number of points cannot be determined until the end of the semester. To monitor your progress in the class, please use the highest number of points possible for each exam. Personal grades are not available by e-mail but are available on Moodle.

C. Examinations
Examinations are based on material covered in class and in the text book. All exams will consist of multiple-choice questions. Each of the four exams should take you no more than 80 minutes to complete.

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.

Tentative plan for the exams:
Exam 1 includes chapters 12, 13, and 14.
Exam 2 includes chapters 15, 16, and 17
Exam 3 includes chapters 18, 22, and 24
Exam 4 includes chapters 23, 25, and 27

D. Laboratory Experiences
There will be No laboratory experiences with this course.

E. Class Attendance
It is your choice not to come to class, but you are responsible for everything discussed in class, like changing exams dates and/or adding or omitting materials.

IV Timetable

<table>
<thead>
<tr>
<th>Date</th>
<th>Chapters</th>
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<tbody>
<tr>
<td>January 6, 8</td>
<td>Chapter 12 (Alkanes)</td>
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<tr>
<td>January 13, 15</td>
<td>Chapter 13 (Alkenes, Alkynes, and Aromatic Compounds)</td>
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<tr>
<td>January 20, 22</td>
<td>Chapter 14 (Alcohols, Phenols, Ethers, and Thiols)</td>
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<td>January 27</td>
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<td>January 29, February 3</td>
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<td>February 5, 10</td>
<td>Chapter 15 (Amines)</td>
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<tr>
<td>February 12, 17</td>
<td>Chapter 16 (Aldehyde and Ketones)</td>
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<td>February 19</td>
<td>Chapter 17 (Carboxylic Acids and Their Derivatives)</td>
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<td>February 21-March 1</td>
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<tr>
<td>March 3, 5</td>
<td>Exam I (Chapters 12-14, 100 points)</td>
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<tr>
<td>March 10, 12</td>
<td>Chapter 18 (Amino Acids and Proteins)</td>
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<td>March 17, 19, 24</td>
<td>Chapter 22 (Carbohydrates)</td>
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<td>March 26</td>
<td>Chapter 24 (Lipids)</td>
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<td>March 31, April 2</td>
<td>Exam II (Chapters 15-17, 100 points)</td>
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<tr>
<td>April 7, 9</td>
<td>Chapter 23 (Carbohydrate Metabolism)</td>
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<td>April 14, 16</td>
<td>Chapter 25 (Lipid Metabolism)</td>
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<td>April 28</td>
<td>Chapter 27 (Protein Metabolism)</td>
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<td>Final Exam (Chapters 23, 25, 27, 100 points)</td>
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