I. Course Overview

A. Basic Information

Department: Chemistry
Course Prefixes: CHM201, Section 42058
Course Title: Introduction to Organic and Biological Chemistry
Credit Hours: 4

Class meets M, W, F 8:00 AM – 9:07 AM in Room 195 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) 370-3221
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

The latest edition of: “General Organic and Biological Chemistry, McMurry and Castellion”.
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 though 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 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.

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 90 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>Chapter(s)</th>
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<tbody>
<tr>
<td>Aug 30, Sept 1, 6</td>
<td>Chapter 12 (Alkanes)</td>
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<tr>
<td>Sept. 8, 11, 13</td>
<td>Chapter 13 (Alkenes, Alkynes, and Aromatic Compounds)</td>
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<tr>
<td>Sept. 15, 18, 20</td>
<td>Chapter 14 (Alcohols, Phenols, Ethers, and Thiols)</td>
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<tr>
<td>Sept. 22</td>
<td><strong>Exam I (Chapters 12-14, 100 points)</strong></td>
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<td>Sept. 25, 27, 29</td>
<td>Chapter 15 (Amines)</td>
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<td>Oct. 2, 4, 6</td>
<td>Chapter 16 (Aldehyde and Ketones)</td>
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<td>Oct. 9, 11, 13</td>
<td>Chapter 17 (Carboxylic Acids and Their Derivatives)</td>
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<td>Oct. 16</td>
<td><strong>Exam II (Chapters 15-17, 100 points)</strong></td>
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<tr>
<td>Oct. 18, 20, 23</td>
<td>Chapter 18 (Amino Acids and Proteins)</td>
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<tr>
<td>Oct. 25, 27, 30</td>
<td>Chapter 22 (Carbohydrates)</td>
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<tr>
<td>Nov. 1, 3, 6</td>
<td>Chapter 24 (Lipids)</td>
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<td>Nov. 8</td>
<td><strong>Exam III (Chapters 18, 22, 24, 100 points)</strong></td>
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<tr>
<td>Nov. 10, 13, 15</td>
<td>Chapter 23 (Carbohydrate Metabolism)</td>
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<td>Nov. 17, 20, 22</td>
<td>Chapter 25 (Lipid Metabolism)</td>
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<td>Nov. 27, 29, Dec 1</td>
<td>Chapter 28 (Protein Metabolism)</td>
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<td>Dec.4</td>
<td>Review</td>
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<tr>
<td>Dec. 8</td>
<td><strong>Final Exam (Chapters 23, 25, 28, 100 points)</strong></td>
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