I. Course Overview

A. Basic Information

Department: Chemistry
Course Prefixes: CHM201, Section 40791
Course Title: Introduction to Organic and Biological Chemistry
Credit Hours: 4
Class meets: Mondays, Wednesdays, and Fridays from 8:00–9:07 am in Room 195 in Hannah Hall South (195 HHS)

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


Other: Scantron forms NO. F-1712-PAR-L, and Scientific calculator (The only calculators that are allowed for exams are the TI-30X or TI-30X Solar scientific calculators).


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
Final ACS exam 50 points
12 homework assignments 2 points each

The maximum number of points that any student can accumulate is 474 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 textbook. 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.

F. Homework
Homework assignments are ALL the even problems at the end of each assigned chapter, including Understanding Key Concepts and Additional Problems. You are strongly recommended to do all the homework problems! This is necessary to become proficient in the material. Homework will be graded as 2 points per chapter.

G. Academic Conduct
Classroom Courtesy: The instructor of this course has a strong commitment to the development and maintenance of an instructional climate that supports respect for everyone in the classroom. Your enrollment in this course requires that you will treat your fellow classmates and course instructor with respect. The instructor reserves the right to adjust course grades for disrespectful behavior.

Cheating: The University’s regulations that relate to academic misconduct will be fully enforced. I insist on seeing your own work group’s work. Any student suspected of cheating by copying on exams, changing answers on exams after they are scored, obtaining exam questions prior to the exam time, use of any previous student’s course work, plagiarism, giving or obtaining undeserved points on group work, or by other means will be referred to the Academic Conduct Committee. Students found guilty of academic misconduct face suspension or permanent dismissal. Anyone found guilty by the Academic Conduct Committee to be guilty of misconduct will also receive a 0.0 grade for the course from the instructor in addition to whatever sanction(s) the Committee decides.

IV Timetable

<table>
<thead>
<tr>
<th>Date</th>
<th>Chapter</th>
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<tbody>
<tr>
<td>September 4, 9, 11</td>
<td>Chapter 12 (Alkanes)</td>
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<tr>
<td>September 14, 16, 18</td>
<td>Chapter 13 (Alkenes, Alkynes, and Aromatic Compounds)</td>
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<tr>
<td>September 21, 23, 25</td>
<td>Chapter 14 (Alcohols, Phenols, Ethers, and Thiols)</td>
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<td>September 28</td>
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<td>September 30, October 2, 5</td>
<td>Exam I (Chapters 12-14, 100 points)</td>
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<td>October 7, 9, 12</td>
<td>Chapter 15 (Amines)</td>
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<td>October 14, 16, 19</td>
<td>Chapter 16 (Aldehyde and Ketones)</td>
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<td>October 21</td>
<td>Chapter 17 (Carboxylic Acids and Their Derivatives)</td>
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<tr>
<td>October 23, 26, 28</td>
<td>Exam II (Chapters 15-17, 100 points)</td>
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<tr>
<td>October 30, November 2, 4</td>
<td>Chapter 18 (Amino Acids and Proteins)</td>
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<tr>
<td>November 6, 9, 11</td>
<td>Chapter 22 (Carbohydrates)</td>
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<td>November 13</td>
<td>Chapter 24 (Lipids)</td>
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<tr>
<td>November 16, 18, 20</td>
<td>Exam III (Chapters 18, 22, 24, 100 points)</td>
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<tr>
<td>November 23, 25, 30</td>
<td>Chapter 23 (Carbohydrate Metabolism)</td>
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<td>Chapter 25 (Lipid Metabolism)</td>
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November 26-27  Thanksgiving Holiday (No Class)
November 30, Dec 2, 4  Chapter 27 (Protein Metabolism)
December 7  Final Exam

*Final Exam will be held in HHS195 from 8:00 -11:00 am. Final Exam will be given in two parts: Exam IV, Chapters 23, 25, 27 and ACS comprehensive exam.*