Instructor: Mohammed Daoudi  
E-mail: mohammed.daoudi@ucf.edu  
Office hours: Mo/Tu/We/Th: 10:15 - 11:30 am

Course: CHM 2210  
Organic Chemistry I  
3 Units

Meetings:  
Lecture  
Sec.C001  
Mo/Tu/We/Th  
09:00 - 09:50 a.m.  
CB2 106

Required Materials  
2. WileyPLUS Access Code  
3. Molecular Model Kit

Study Aids  
2. Organic Chemistry as a second language I, David Klein, 3rd Edition  
4. Structure and Reactivity in organic chemistry, Mark G. Moloney

Course Description  
CHM 2210 is a 3 credit hours course designed to fulfill requirements in organic chemistry for the first semester in science education. Emphasize will be on nomenclature, properties, syntheses, and reactions of aliphatic and cyclic alkanes, alkenes, alkynes, alcohols, phenols, ether and alkyl halides; including the mechanisms of the reactions.

Prerequisites  
C grade or better in CHM 2046 or equivalent.

Learning Outcomes  
By the end of this course, you should be able to:

- Recognize and analyze the atomic structures, bonding, resonance, formulas and the acidity and basicity of organic compounds  
- Demonstrate an understanding of the structure, properties, nomenclature, synthesis, and reactions of alkanes, cycloalkanes, alkenes, alkynes, alkyl halides, alcohols, and ethers.  
- Predict and analyze nucleophilic substitution, elimination, addition, and free radical reactions.  
- Comprehend the three dimensional aspect of stereochemistry as it applies to conformational analysis, geometrical and optical isomers.  
- Perform mechanism for organic reaction of alkanes, alkenes, alkynes, alkyl halides, alcohols, and ethers.  
- Develop plans for retrosynthetic analysis to solve multistep synthesis problems.  
- Develop and enhance critical thinking and problems solving skills.
Evaluation and Grading

Your final grade for this course will be computed using the following data:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Exams (100 points each)</td>
<td>400</td>
<td>40%</td>
</tr>
<tr>
<td>(The lowest will be replaced by the % final exam, if higher)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 Quizzes (the two lowest will be dropped)</td>
<td>150</td>
<td>15%</td>
</tr>
<tr>
<td>Final exam (cumulative and mandatory)</td>
<td>200</td>
<td>20%</td>
</tr>
<tr>
<td>Online Homework</td>
<td>200</td>
<td>20%</td>
</tr>
<tr>
<td>ORION Assignment</td>
<td>50</td>
<td>5%</td>
</tr>
<tr>
<td>Total</td>
<td>1000</td>
<td>100%</td>
</tr>
</tbody>
</table>

Extra Credit: I offer 50 points (possible) as extra credit. These points are based on your answers of the clicker questions I pose during the in-class activities. To participate see the information in Classroom Response System (i>clicker)

I will adopt the following grading scale:

A: 90-100 %  
B+: 85-89 %  
B: 80-84 %  
C+: 75 -79%  
C: 70 -74%  
D: 60-70%  
F: ≤ 59 %

Grades for this course will be posted on WebCourses2@UCF. You may access your scores at any time through https://webcourses.ucf.edu. Grades will not be given out over the phone or via e-mail.

Online Supplements

Mastering organic chemistry concepts and knowledge requires a lot of practice and problem solving. I encourage you to solve as many problems as you can at the end of each chapter. Graded online homework assignments are assigned using WileyPLUS learning and course management system (access code required). The system provides an interactive learning environment. To register, go to http://edugen.wileyplus.com/edugen/class/clx447875/ and follow the instructions.

There are three types of assignments:

1. ORION: Adaptive learning assignments
2. Mastering: You may work on this type of assignment as many attempts until you master it.
3. Questions: You have two attempts per question.

Each online assignment has a due time and date. You need to complete your assignment before the deadline. No extension will be provided.

If you encounter technical problems such as log in or accessing the assignment, you need to contact WileyPLUS technical support, http://wileyplus.custhelp.com/app/home. Your instructor will not be able to help with such issues.

Classroom Response System

I will be using the i>clicker student response system in class this term. i>clicker helps me to understand what you know and gives everyone a chance to participate in class. Participation with i>clicker will account for ~5% of your final grade (extra credit)

You may use one of the following models:

The original i>clicker, i>clicker +, or i>clicker 2

The mobile application, i>clickerGO will be allowed

How to register:

In order to receive the extra credit, you will need to register your i>clicker remote on Webcourses or set up your i>clickerGO account, you must do by the add deadline, 5/22/2015. Students who register after this time will not receive credit.

Special instructions for i>clicker GO

To create a i>clicker GO account, visit https://iclickergo.com or download the app for iOS or Android. Creating an account automatically starts a free 14-day trial subscription. Please use this trial period to make sure i>clicker GO will work for all of your i>clicker classes before purchasing a subscription as it is not possible to receive a refund after your purchase a subscription.

Once you create your i>clicker GO account, you do not need to do anything else to register. Just be sure that your account has the following profile information:

Student ID: NID
School ZIP/Postal Code: 32816
School Name: University of Central Florida

At the end of your trial, should you decide to purchase i>clicker GO, you can purchase access to i>clicker GO in a variety of subscription lengths using your credit card online or through in-app purchase with your smartphone; this subscription includes an unlimited number of courses.

If you have more questions on i>clicker registration, please visit http://support.iclicker.com for FAQs and other resources.

Finally you need to register your i>clicker remote and/or your i>clickerGO ID with Webcourses. To do so, log into your Webcourses account, choose CHM 2210 course, then click i>clicker link and follow the instructions.

Cheating
I consider bringing a fellow student’s i>clicker to class to be cheating and a violation of the University Honor Code. If you are caught with a remote other than your own or have votes in a class that you did not attend, you will forfeit all clicker points and may face additional disciplinary action.

Webcourses2@UCF
CHM 2210 is a face-to-face course. I use Webcourses@UCF, https://webcourses.ucf.edu, to enhance the face-to-face environment. Lecture notes, quizzes, announcements, grades, links, etc. are posted on Webcourses@UCF.

Attendance Policy
You should make every effort to attend lecture classes and comply with the examination schedule outlined in this syllabus. You are held responsible for all material presented in the classroom even during your absence.

Makeup Policy
The following makeup policy will be applied:

- **No makeup for missed exams, quizzes, and homework.**
- If you miss **one** schedule exam, your final exam grade (%) will be used for that exam.
- More than one missed schedule exams shall count zero (0), except for any University sanctioned events.
- **Missing the final exam will lead to an F grade in the class.**

Withdrawal
If you wish to withdraw from the course you must do so by Monday, July 06, 2015, 11:59 p.m. to receive a W. In case you do not withdraw from the class and do not show up, you will receive an F grade.

Supplemental Instruction
The Student Academic Resource Center (SARC) offers weekly study sessions for all students in Organic Chemistry I. The sessions are led by an experienced SI Leader. I strongly encourage you to participate in these sessions. The statistics showed that students attended SI sessions improve their final grades significantly.

Tutorial
SARC also provides free tutoring to all UCF students taking Organic Chemistry I. The Student Academic Center is located in Phillips Hall, Room 115. ☎ 407-823-5130. http://sarc.ucf.edu
Tutoring schedules are posted on SARC website and will be announced in class.

Disability Accommodations
If you need academic accommodations, such as private testing, interpreters, note takers, etc., please contact the Students Disability Services (SDS) in Room 132, ☎ 407-823-2371, http://sds.sdes.ucf.edu. This office will then notify me, in writing, of the need for an accommodation. No accommodations will be provided until SDS notifies me.

Academic Integrity/Plagiarism
“Plagiarism and Cheating of any kind on an examination, quiz, or assignment will result at least in an "F" for that assignment (and may, depending on the severity of the case, lead to an "F" for the entire course) and may be subject to appropriate referral to the Office of Student Conduct for further action. See the UCF Golden Rule for further information. I will assume for this course that you will adhere to the academic creed of this University and will maintain the highest standards of academic integrity. In other words, don’t cheat by giving answers to others or taking them from anyone else. I will also adhere to the highest standards of
academic integrity, so please do not ask me to change (or expect me to change) your grade illegitimately or to bend or break rules for one person that will not apply to everyone”.

**Only nonprogrammable calculators are allowed in exams**

**Cell phones and other personal digital communication devices are not allowed during examinations.** Use of electronic communication devices during exams or other graded activities may constitute grounds for disciplinary action.

**Federal Financial Aid Regulation**

All faculty members are required to document students' academic activity at the beginning of each course. In order to document that you began this course, please complete the following academic activity by the end of the first week of classes, or as soon as possible after adding the course, but **no later than May 22 by 5:00 pm**. Failure to do so will result in a delay in the disbursement of your financial aid.

**What you need to do to succeed in this class:**

- You need to attend all lectures to be successful in this course. Bring your textbook/ebook every meeting. Arrive to the lectures on time.
- Read the material in the textbook/ebook before it is presented in class. This will make you familiar with the material and allow you to better understand the lecture. Reading the material before coming to lecture will help you to think of questions during the lecture. Furthermore, if you have read the text and do not understand something then you can ask about it during the lecture. Do not be afraid to ask questions during lecture. I truly encourage and promote questions and discussions.
- Solve all assigned online homework questions. Then solve as many problems as you can at the end of each chapter.
- **Practice, practice, practice!**

**Classroom Conduct**

I want to promote an environment that allows everyone to benefit from this course. To attain this goal, each of us should respect the rights of everyone else. The following are some behaviors that are not allowed in this class.

- **No phone conversation, texting and/or messaging in classroom.**
- Laptops, tablets, and other mobile devices should be used only for educational purpose.
- If you arrive late for class, be quiet as you enter the room.
- Do not have conversations during lectures or during clicker questions
- All types of recording /taking photos during the class are not allowed unless a prior permission is obtained from the instructor.

**Proctor Quizzes**

Online quizzes will be taken using an online video monitoring system called ProctorHub. You will need access to a webcam on your computer (Windows, Mac OS X, or Linux) in order to use this program. ProctorHub is a UCF test monitoring system that utilizes a webcam to monitor test taking activity during online testing. Videos are only accessible to your instructor, and are stored in a secure environment. If you do not have a webcam, there are computers with webcams in the UCF library, or you can visit the LibTech desk at the library to sign out one. Lib tech can also direct you to a computer in the library with a webcam. Please note that these computers cannot be reserved ahead of time. It is your responsibility to ensure that you will have access to a computer with a webcam and know how to log into and use ProctorHub, prior to the time that the tests start. Please note that ProctorHub is not yet compatible with Apple iOS (iPhone, iPod Touch, iPad) or Android smartphones.
**Tentative Class Schedule**

The following schedule is tentative and may not be followed exactly. You are expected to prepare for each lecture by reading the assigned material in advance.

<table>
<thead>
<tr>
<th>Date/Week</th>
<th>Testing</th>
<th>Lecture</th>
</tr>
</thead>
<tbody>
<tr>
<td>05/18-05/19</td>
<td></td>
<td>Chapter 01: Electrons, Bonds and Molecular Properties</td>
</tr>
<tr>
<td>05/20-05/21</td>
<td></td>
<td>Chapter 02: Molecular Representations</td>
</tr>
<tr>
<td>05/25</td>
<td></td>
<td><strong>Memorial Day (No Class)</strong></td>
</tr>
<tr>
<td>05/26-05/28</td>
<td></td>
<td>Chapter 03: Acids and Bases</td>
</tr>
<tr>
<td>06/01</td>
<td><strong>Exam 1</strong></td>
<td></td>
</tr>
<tr>
<td>06/02-06/04</td>
<td></td>
<td>Chapter 04: Alkanes and Cycloalkanes</td>
</tr>
<tr>
<td>06/08-06/11</td>
<td></td>
<td>Chapter 05: Stereochemistry</td>
</tr>
<tr>
<td>06/15</td>
<td></td>
<td>Chapter 05: Stereochemistry</td>
</tr>
<tr>
<td>06/16-06/17</td>
<td></td>
<td>Chapter 06: Chemical Reactivity and Mechanisms</td>
</tr>
<tr>
<td>06/18</td>
<td><strong>Exam 2</strong></td>
<td></td>
</tr>
<tr>
<td>06/22-06/24</td>
<td></td>
<td>Chapter 07: Substitution Reactions</td>
</tr>
<tr>
<td>06/25</td>
<td></td>
<td>Chapter 08: Alkenes: Structure and Preparation</td>
</tr>
<tr>
<td>06/29-06/30</td>
<td></td>
<td>Chapter 08: Alkenes: Structure and Preparation</td>
</tr>
<tr>
<td>07/01-07/02</td>
<td></td>
<td>Chapter 09: Addition Reactions of Alkenes</td>
</tr>
<tr>
<td>07/06</td>
<td></td>
<td>Chapter 09: Addition Reactions of Alkenes</td>
</tr>
<tr>
<td>07/07</td>
<td><strong>Exam 3</strong></td>
<td></td>
</tr>
<tr>
<td>07/08-07/09</td>
<td></td>
<td>Chapter 10: Alkynes</td>
</tr>
<tr>
<td>07/13</td>
<td></td>
<td>Chapter 10 + Chapter 11</td>
</tr>
<tr>
<td>07/14-07/16</td>
<td></td>
<td>Chapter 11: Radical Reactions</td>
</tr>
<tr>
<td>07/20-07/22</td>
<td></td>
<td>Chapter 12: Synthesis</td>
</tr>
<tr>
<td>07/23</td>
<td><strong>Exam 4</strong></td>
<td></td>
</tr>
<tr>
<td>07/27-07/29</td>
<td></td>
<td>Chapter 13: Alcohols and Phenols</td>
</tr>
<tr>
<td>07/30</td>
<td></td>
<td>Chapter 14: Ethers and Epoxies; Thiols and sulfides</td>
</tr>
<tr>
<td>08/03-08/04</td>
<td></td>
<td>Chapter 14: Ethers and Epoxies; Thiols and sulfides</td>
</tr>
<tr>
<td>08/05</td>
<td></td>
<td>Review</td>
</tr>
<tr>
<td>08/06/2015</td>
<td><strong>Final Exam</strong></td>
<td>8:00-10:00 am</td>
</tr>
</tbody>
</table>

The instructor reserves the right to modify the schedule, the testing procedure, and the grading basis if, in the professional judgment of instructor, such modification is in the best interest of fulfilling the course objectives and assuring the academic integrity of the course and the institution.

You are responsible for announcements made during lectures and discussion sessions and/or through electronic communication (i.e. Webcourses@UCF, email)