COURSE SYLLABUS CHEMISTRY 3305-002
Organic Chemistry I – Fall 2014

Lecture Schedule: MWF 8:00-8:50 am, Chem 107 (attendance mandatory)

Instructor: Dr. Adelia Aquino
Chem 13, Phone: 806-834-5946
E-mail: adelia.aquino@ttu.edu

Office Hours: MW 1:30-2:30 pm
(or by appointment)

Discussion Section: Discussion sessions will be given on Wednesday evenings in the exam week: September 17th, October 15th and November 5th from 7:00-9:00 pm in Chem 107.


Supplemental Materials: Molecular Models: Kits will be sold in the class by the student affiliates of the American Chemical Society

Online Homework: To understand and learn the new concepts throughout the course it is important to work out homework problems. Therefore, we will be using online homework supplied by Connect.

Where and how to get it: Student Options for Purchasing AND Registering into the Course:

1. Bookstore: Your bookstore has this package which includes the print book, Solutions Manual, and Connect Plus Access Code. The Connect code you will need to access the online study modules is included in the package. This package is only available at the TTU Barnes and Noble, Varsity Bookstore, Neebo Bookstore, and Red and Black Bookstore in Lubbock, TX.

2. Online: All DIGITAL - You can purchase Connect Plus (no print book, Ebook and access to all the Connect/Smartbook content) directly from the course website when you register.

For registration follow the steps below:

1. Log into your Blackboard account.
2. Go into your course section.
3. Click into your Assignments Folder.
4. Click on your first assignment.
5. Click the “Register Now” Button.
6. Enter your email address.
7. Enter your access code or select “Buy Online”,
8. Complete the registration form, click “Submit”

EXAMPLE:

VERY IMPORTANT!!!! If you need any Technical Support (forgotten password, wrong code, etc) please CONTACT SUPPORT AT (800- 331-5094). Do not contact your professor about technical issues until you have called support and received a case number. Please be sure to get your case number for future reference if you call the CXG line. FAQs: http://www.connectstudentsuccess.com/

Outline: The following is a list of the chapters in the text book that will be covered in this course, as well as (tentative) midterm exam assignments:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Chapter</th>
<th>Midterm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure and Bonding</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Acids and Bases</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Introduction to Organic Molecules</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>and Functional Groups</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mass Spectrometry and Infrared Spectroscopy</td>
<td>13</td>
<td>1</td>
</tr>
<tr>
<td>Alkanes</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>
Outcome: After completing this course, the fully successful student will be able to:
(1) explain bonding, structure, conjugation, resonance and hybridization in organic molecules; (2) identify the organic functional groups, name and draw the organic molecules; (3) understand the concept of structural isomers and stereoisomers; been able to discover, sketch and be aware of the energetic stability of them; 4) be familiar with the of organic reactions to predict the reactants and products as well as the mechanism of these reactions, especially those ones of alkyl halides, alkenes, alkynes such as SN1, SN2, E1, E2.

Assessment:

homework: Problem sets will be assigned weekly, except for the first week of class, and during the week of an exam. These will be graded, and will contribute towards your final class score. You are also strongly encouraged to work additional exercises on your own for extra practice.

quizzes: There will be one or more announced quizzes, administered during the lecture on Fridays, and counting towards your final class score.

midterms: There will be three midterm examinations held during the course of the semester. These will be closed-book, 120-minute exams.

final exam: There will be a comprehensive final examination at the end of the semester, covering all of the material that was presented in class.

grading: For each of the problem sets, quizzes, midterms, and the final exam, you will receive a numerical score. These scores will be weighted as follows, Problem Sets and Quizzes 20%
Midterm Exams (3) 50%
Final Exam 30%
and summed together to obtain your final class score. Letter grades will be assigned at the end of the semester.

90-100% = A    80-89% = B    70-79% = C    60-69% = D    below 60 % = F
Course Policies:

*drop policy:* The last day to drop with an automatic “W” is October 27. After this deadline you must complete the course for a grade.

*decorum:* Students will maintain decorum in the classroom at all times; however, they may ask a course-related question at any time by raising their hand.

*cheating:* Academic dishonesty will not be tolerated, and may lead to severe disciplinary measures.

*ADA:* Students with disabilities who require special arrangements in order to meet course requirements should contact the instructor immediately.

*holy day:* Students who plan to observe a religious holy day should make that intention known to the instructor immediately.