TEXAS A&M UNIVERSITY - CORPUS CHRISTI
Department of Physical and Environmental Sciences
Spring 2014
Organic Chemistry II
CHEM 3412.001
Time: TR 12:30-1:45 pm
Location: EN 106
Prerequisite: CHEM 3411

Instructor Information:
Dr. Feri Billiot
Office: 130D Center for Science
Telephone: 825-6067
E-mail: fereshteh.billiot@tamucc.edu
Office Hours: TR 2-3:30 pm, or by appointment

Course Description: The structure, nomenclature, synthesis, reactions and reaction mechanisms of the principal classes of organic compounds. Stereochemistry and spectroscopy of organic compounds. Designed for the science major.

Student Learning Outcome: It is expected that completion of CHEM 3412 will enable students learning the following specific topics of organic chemistry:
- Molecular spectroscopy to identify organic compounds
- Organic functionality and aspects of stereochemistry
- Modern aspects of chemical bonding & molecular structure
- Prediction of products from organic reactions
- Understanding reaction mechanisms
- Understanding of organic syntheses
- Understanding important of thermodynamic in organic reactions

Required or Recommended Readings: Textbook: Organic Chemistry by John McMurry; 8th ed.; Brooks Cole Publisher (reqd.)

Major Course Requirements:
There will be three regular exams and a final exam. The regular exams will cover the material that has been covered in class by that time and final is comprehensive.

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<thead>
<tr>
<th>Grade</th>
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<tbody>
<tr>
<td>Exams</td>
<td>3@100</td>
</tr>
<tr>
<td>Final Exam</td>
<td>1@100</td>
</tr>
<tr>
<td>Total Grade</td>
<td>400</td>
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Course Grade-25% of the organic chemistry grade is from organic chemistry lab. At the end of the semester, after you completed all the lab assignments and exams, you will be assigned a lab grade by your lab instructor. All complains and concerns
about the lab grade should be directed to the lab instructor. You will receive more information about the organic chemistry lab in the lab syllabus.

<table>
<thead>
<tr>
<th></th>
<th>Lecture Grade</th>
<th>Lab Grade</th>
<th>Course Grade</th>
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<tbody>
<tr>
<td>Lecture % X 0.75</td>
<td>75</td>
<td>Lab % X 0.25</td>
<td>25</td>
</tr>
<tr>
<td>Lab Grade</td>
<td>25</td>
<td>100</td>
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*Final letter grading for the lecture course will be as follows: A; 90%, B; 80%, C; 70%, D; 60%, F < 60%.

**Make-up Exams:** There are no make-up exams for this class. Students with a university approved scheduled absence (athletics, military duty, etc.) MUST contact the instructor well in advance of the scheduled absence. Exams may be taken early in those specific cases. Students who do not arrange to take exams ahead of time will not be eligible for this special consideration. A written excuse from the university department involved or the Office of the Dean of Students is required.

**Class Website:** Most announcements, forms, handouts, lecture notes, learning materials etc. are either posted, or will be posted on blackboard. You will be able to login using your student ID and Password.

**Use of Electronic Devices during Exam:** Any use of an electronic device (PDA, Cell Phone, MP3 player, CD player, computer . . .) during an exam is strictly prohibited. Any use of such a device will be considered an attempt to cheat on the exam and will result in a 0 on the exam although more severe actions may be considered. Calculators may be allowed on exams when needed, but only for mathematical operations. The use of programmable calculators to store or retrieve information during an exam will be considered an attempt to cheat on the exam. Also, if a calculator is discovered to have saved programs or information that could be used as an unfair advantage on the exam, this will be considered an attempt to cheat on the exam.

**Course Tutoring:** You can find information regarding the Tutoring at: [http://casa.tamucc.edu](http://casa.tamucc.edu)

**Students with Disabilities:** The Students With Disabilities Center is located in the Student Services Center (round building: 825-5816). Should you need special consideration for exams and/or class activities (special microphones, additional time for exams, enlarged exams, etc.), please contact this center. The university will provide assistance as needed, but you must contact the center to make arrangements. The instructor cannot make modifications without the center’s involvement. Should you have mobility problems, please notify the instructor and TA so that they may seek assistance for you in the case of fire drills or emergencies.

**Class Standards:** The student is expected to be on time and attend every class. If absent, it is the responsibility of the student to obtain missed information from a classmate. Missed information includes not only lecture notes, but also any possible information
regarding syllabus changes. The student is expected to arrive on time prepared to take
notes, i.e., with pen, paper, and colored markers/pencils.

**Before you enter the lecture hall turn OFF your cellular phone! Beepers must also be
turned off or put on silent mode. Electronic interruptions absolutely will NOT be
tolerated!**

**Class Conduct:** All students are expected to follow proper classroom behavior and treat
the other students and the instructor with respect. If a student’s actions or behavior is
deemed disruptive to the class by the instructor, the students will be asked to leave the
class for that day.

**Academic Integrity and Honesty:** All students are expected to conform to college-level
standards of ethics, academic integrity, and academic honesty. By enrolling in this
course, you agree to be bound by the Regulations and Procedures published in the
TAMU-CC STUDENT HANDBOOK. Group interactions, investigations, and studying
are encouraged; however, duplicative work will be treated as cheating and will receive a
grade of zero. Anything that is viewed as cheating on an exam will be given the most
severe penalty possible, most likely an "F" for the course, but may include more severe
punishments.

**Lecture Schedule:** The schedule below is a preliminary outline of the semester. It is
your responsibility to keep up with changes to this schedule. The reading and problems
assignments that will be assigned in class should be completed before the next class
meeting. Failure to stay current on reading and problem assignments will greatly affect
your ability to keep up during lecture and, therefore, will have an indirect affect on your
grade in this course.

<table>
<thead>
<tr>
<th>Week of</th>
<th>Topic</th>
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<tbody>
<tr>
<td>January 20</td>
<td>Gen Chem Review</td>
</tr>
<tr>
<td>January 27</td>
<td>Chapter 12</td>
</tr>
<tr>
<td>February 3</td>
<td>Chapter 13</td>
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<tr>
<td>February 10</td>
<td><strong>Chapter 16</strong></td>
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<tr>
<td>February 17</td>
<td>Review and Exam I</td>
</tr>
<tr>
<td>February 24</td>
<td>Chapter 17</td>
</tr>
<tr>
<td>March 3</td>
<td>Chapter 18</td>
</tr>
<tr>
<td>March 10</td>
<td><strong>Spring Break</strong></td>
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<tr>
<td>March 17</td>
<td>Chapter 19</td>
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<tr>
<td>March 24</td>
<td><strong>Chapter 19 Continue</strong></td>
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<tr>
<td>March 31</td>
<td>Review and Exam II</td>
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<tr>
<td>April 7</td>
<td>Chapter 20</td>
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<tr>
<td>April 14</td>
<td>Chapter 21</td>
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<tr>
<td>April 21</td>
<td>Chapter 21 continue</td>
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<tr>
<td>April 28</td>
<td>Review and Exam III</td>
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<tr>
<td>May 5</td>
<td>Review for Final exam</td>
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</tbody>
</table>
Exam Schedule
Exam I February 13
Exam II March 27
Exam III May 1
Final Exam: TBA

No student is admitted to the exam after the first exam-taker has left.

ACADEMIC ADVISING: The College of Science and Technology requires that students meet with an Academic Advisor as soon as they are ready to declare a major. The Academic Advisor will set up a degree plan, which must be signed by the student, a faculty mentor, and the department chair. The College's Academic Advising Center is located in Faculty Center room.

GRADE APPEALS

A student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is on the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details on the process, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, consult Texas A&M University-Corpus Christi University Procedure 13.02.99.C2.01 Student Grade Appeal Procedures (http://www.tamucc.edu/provost/university_rules/index.html), and the College of Science and Engineering Grade Appeals webpage (http://sci.tamucc.edu/students/GradeAppeal.html). For assistance and/or guidance in the grade appeal process, students may contact the chair or director of the appropriate department or school or the College of Science and Engineering Dean’s Office.

In choosing to take this course, you are agreeing to abide by the course rules, regulations, and standards. This includes agreeing to be respectful to your instructor and fellow students. Conduct that is disruptive or disrespectful will not be tolerated and is grounds for dismissal from the class. Should you have concerns or questions, you are to discuss them with the instructor as soon as possible. However, you are bound by these rules, regulations, and standards from the first day of class through the duration of the course.