Organic Chemistry II (CHEM 3412)
Department of Physical and Environmental Sciences
Spring 2016

A. COURSE INFORMATION
Course number/section: CHEM 3412.003
Class meeting time: TR – 12:30-1:45
Class location: BH 104
Course 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.

B. INSTRUCTOR INFORMATION
Instructor: Feri Billiot
Office location: CS207
Office hours: TR 8-9:30 am, and 1:45-2:15, W 7:30-8:30 am
Telephone: 361-8256067
e-mail: fereshteh.billiot@tamucc.edu
Appointments: by request

C. COURSE DESCRIPTION
The structure, nomenclature, synthesis, reactions and reaction mechanisms of the principal classes of organic compounds. Stereochemistry and spectroscopy of organic compounds. Designed only for science major.

D. PREREQUISITES AND COREQUISITES
Prerequisites
Organic Chemistry I (CHEM 3411) and the Student Laboratory Safety Training (SMTE-0091) are required for continued participation in this course.

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES

Required Textbook(s)

Where and How to Get It:
1. Bookstore: Your bookstore has Connect Code (The Connect code you will need to access the online study modules is included in the package.) To register you follow the same steps as below but you enter your code. SMITH Loose Leaf; ORG CHEM; CNCT 4 2014; ISBN: 9781259726224
2. Online: All DIGITAL. You can purchase Connect (no print book, Ebook and access to all the Connect) directly from the course website. $100 with options to purchase $40 print upgrade in connect
Go the section web address provided by your Instructor
Click the “Register Now” Button
Enter your email address
Enter your access code, select “Buy Online”, or you can “Start Free Trial” if you don’t have an access code
Complete the registration form, click “Submit”

Support: If you need any Technical Support (forgotten password, wrong code, etc) please contact McGraw-Hill Education Customer Experience Group at (800) 331-5094. Please be sure to get your case number for future reference if you call the CXG line.)
FAQs: http://www.connectstudentsuccess.com/

**F. STUDENT LEARNING OUTCOMES AND ASSESSMENT**

Assessment is a process used by instructors to improve learning. The process begins by describing student learning outcomes (they focus on what you are expected to learn) like the ones described below for this course. By measuring how well you are accomplishing these student learning outcomes the instructor can take appropriate actions to enhance your learning.

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

**G. INSTRUCTIONAL METHODS AND ACTIVITIES**

This course is face to face and some online homework are posted on Black Board

**H. MAJOR COURSE REQUIREMENTS AND GRADING**

The course includes lectures and laboratories. They will be graded separately, and the final course grade (100pts) will consider the following distribution:

Lecture (600pts, 75% of the final course grade): 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. During the course there will be regular on-line assignments through LearnSmart and CONNECT.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Score</th>
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<tbody>
<tr>
<td>LearnSmart + CONNECT</td>
<td>150</td>
</tr>
<tr>
<td>Exams</td>
<td>3*100</td>
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</table>
Laboratory (25% of the final course grade): After completed all lab assignments and exam, 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 II Laboratory Course (CHEM-3411.10x) in the lab syllabus.

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>Lecture Grade</th>
<th>Lecture % X 0.75</th>
<th>75</th>
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</thead>
<tbody>
<tr>
<td>Lab Grade</td>
<td>Lab % X 0.25</td>
<td>25</td>
</tr>
<tr>
<td>Course Grade</td>
<td></td>
<td>100</td>
</tr>
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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%.

### I. COURSE CONTENT/SCHEDULE

<table>
<thead>
<tr>
<th>Week of</th>
<th>Chapter</th>
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<tbody>
<tr>
<td>January 15</td>
<td>Organic I Review</td>
</tr>
<tr>
<td>January 25</td>
<td>Chapter 12</td>
</tr>
<tr>
<td>February 1</td>
<td>Chapter 13</td>
</tr>
<tr>
<td>February 8</td>
<td>Chapter 14 and Chapter 15</td>
</tr>
<tr>
<td>February 15</td>
<td>Chapter 16</td>
</tr>
<tr>
<td><strong>February 22</strong></td>
<td><strong>Exam 1</strong></td>
</tr>
<tr>
<td>February 29</td>
<td>Chapter 17</td>
</tr>
<tr>
<td>March 7</td>
<td>Chapter 18</td>
</tr>
<tr>
<td>March 14</td>
<td>Spring Break</td>
</tr>
<tr>
<td>March 21</td>
<td>Chapter 19</td>
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<tr>
<td><strong>March 28</strong></td>
<td><strong>Exam 2</strong></td>
</tr>
<tr>
<td>April 4</td>
<td>Chapter 20, 21</td>
</tr>
<tr>
<td>April 11</td>
<td>Chapter 22, 23</td>
</tr>
<tr>
<td>April 18</td>
<td>Chapter 24</td>
</tr>
<tr>
<td>April 25</td>
<td><strong>Exam 3</strong></td>
</tr>
</tbody>
</table>
May 2  |  Review for Final exam

Exam Schedule
Exam I February 25
Exam II March 31
Exam III April 28
Final Exam: May 5 at 11 am

Note: Changes in this course schedule may be necessary and will be announced to the class by the instructor. The assignments and exams shown are directly related to the Student Learning Outcomes described in Section F.

J. COURSE POLICIES

Attendance/Tardiness
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.

Late Work and Make-up Exams
There is no make-up exam 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 the exam 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.

Extra Credit
There is no extra credit in this course.

Cell Phone Use
Cell phones and laptops are allowed during lectures. 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.

Food in Class
Food is allowed in this course.

Missed Exam
Students who do not arrange to take the exam 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.

Participation
Students are expected to participate during the classes, this way contributing to the learning process of the group. The classes are designed as an active environment where every new concept is applied to real synthetic examples. The students are expected to participate as a team, applying critical thinking to the resolution of the different practical challenges proposed.

K. COLLEGE AND UNIVERSITY POLICIES

- **Academic Integrity (University)**
  It is expected that university students will demonstrate a high level of maturity, self-direction, and ability to manage their own affairs. Students are viewed as individuals who possess the qualities of worth, dignity, and the capacity for self-direction in personal behavior. See Full University Policy at http://catalog.tamucc.edu/content.php?catoid=10&navoid=313#Academic_Integrity

- **Classroom/Professional Behavior**
  Texas A&M University-Corpus Christi, as an academic community, requires that each individual respect the needs of others to study and learn in a peaceful atmosphere. Under Article III of the Student Code of Conduct, classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit from the instructional program may be considered a breach of the peace and is subject to disciplinary sanction outlined in article VII of the Student Code of Conduct. Students engaging in unacceptable behavior may be instructed to leave the classroom. This prohibition applies to all instructional forums, including classrooms, electronic classrooms, labs, discussion groups, field trips, etc.

- **Statement of Civility**
  Texas A&M University-Corpus Christi has a diverse student population that represents the population of the state. Our goal is to provide you with a high quality educational experience that is free from repression. You are responsible for following the rules of the University, city, state, and federal government. We expect that you will behave in a manner that is dignified, respectful and courteous to all people, regardless of sex, ethnic/racial origin, religious background, sexual orientation or disability. Behaviors that infringe on the rights of another individual will not be tolerated.

- **Deadline for Dropping a Course with a Grade of W (University)**
  The grade of W will be assigned to any student officially dropping a course. Please consult with the instructor before you decide to drop to be sure it is the best thing to do. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. Should dropping the course be the best course of action, visit the
Office of the University Registrar for the Course Drop Form that must be submitted. No student is eligible to receive a W without completing the official drop process by the deadline. Please consult the Academic Calendar (http://www.tamucc.edu/academics/calendar/) for the last day to drop a course.

- **Grade Appeals (College of Science and Engineering)**
  As stated in University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures, 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 upon 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, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules website at http://www.tamucc.edu/provost/university_rules/index.html, and the College of Science and Engineering Grade Appeals webpage at 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, the Office of the College of Science and Engineering Dean, or the Office of the Provost.

- **Disability Services**
  The Americans with Disabilities Act (ADA) is a federal anti-discrimination statue that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please call (361) 825-5816 or visit Disability Services in Corpus Christi Hall 116.

  If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services Office for assistance at (361) 825-5816. My office is a Veterans Green Zone office. If you need to talk, come and see me.

  http://disabilityservices.tamucc.edu/

- **Statement of Academic Continuity**
  In the event of an unforeseen adverse event, such as a major hurricane and classes could not be held on the campus of Texas A&M University-Corpus Christi; this course would continue through the use of Blackboard and/or email. In addition, the syllabus
and class activities may be modified to allow continuation of the course. Ideally, University facilities (i.e., emails, web sites, and Blackboard) will be operational within two days of the closing of the physical campus. However, students need to make certain that the course instructor has a primary and a secondary means of contacting each student.

K. OTHER INFORMATION
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 instructors 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 the class throughout the duration of the course.