THE UNIVERSITY OF TEXAS RIO GRANDE VALLEY
ADVANCED ORGANIC CHEMISTRY 4303.01I AND 4303.02I
SEMESTER: FALL 2019

PROFESSOR: DR. JAVIER MACOSSAY-TORRES (DR. JAVIER MACOSSAY)
OFFICE: CHEMISTRY DEPARTMENT, ESCIE 3.332 TEL.: 956-665-3377
E-MAIL: javier.macossaytorres@utrgv.edu

Class Hours: MW 3:30-4:45 PM (EHABE 1.102 AND BLHSB #61 2.312)
Office Hours: MW 4:45-5:45 PM (ESCIE-3.332)

Prerequisites: CHEM 2323 and CHEM 2325

Textbook:

Grading: Total Points: 400
Four Tests: 400 Points (100 points each one)
100%-90% (400-357 Points) A, 89%-80% (356-317 Points) B, 79%-70% (316-277 Points) C, 69%-60% (276-237 Points) D, < 60% (< 236 Points) F

*All the tests will consist of material covered in the textbook, homework, and any other additional material discussed in classes.

Homework: Homework problems will be assigned through WILEYPLUS. Homework grades will replace the lowest exam.

Chapter Tests Schedule:

Chapter Test 1 September 25, 2019 EHABE 1.102 AND BLHSB #61 2.312
Chapter Test 2 October 23, 2019 EHABE 1.102 AND BLHSB #61 2.312
Chapter Test 3 November 20, 2019 EHABE 1.102 AND BLHSB #61 2.312
Chapter Test 4 December 4, 2019 EHABE 1.102 AND BLHSB #61 2.312

NO MAKE UP EXAMS. IF THERE IS A MEDICAL OR ACCIDENT EXCUSE, PLEASE PRESENT A SIGNED REQUEST AND THE CORRESPONDING PROOF.
LAST DAY TO DROP THE CLASS NOVEMBER 13, 2019 (UNIVERSITY DEADLINE).

Syllabus:

Chapters:
1.- Infrared Spectroscopy and Mass Spectrometry
2.- Nuclear Magnetic Resonance Spectroscopy
3.- Alpha Carbon Chemistry: Enols and Enolates
4.- Radical Reactions
5.- Conjugated Pi Systems and Pericyclic Reactions
6.- Carbohydrates
7.- Amino Acids, Peptides, and Proteins
8.- Lipids
9.- Synthetic Polymers

Program/Major Student Learning Outcomes
1.- Graduates will have both broad knowledge and skills of critical thinking in the chemical sciences.
2.- Graduates are prepared to conduct or participate in advanced research.
3.- Graduates will demonstrate the ability to communicate chemical knowledge.
4.- Graduates are prepared to search for employment (including graduate or professional school).

Program/Course Objectives
1.- To understand core basic concepts in Organic Chemistry.
2.- To have a deeper understanding of mechanistic details.
3.- To learn various functional groups and their reactivity.
4.- To gain deeper understanding of acid-base Chemistry
5.- To learn basic concepts in Stereochemistry.
6.- To correlate Organic Chemistry to day to day life.

STUDENTS WITH DISABILITIES:
Students with a documented disability (physical, psychological, learning, or other disability which affects academic performance) who would like to receive academic accommodations should contact Student Accessibility Services (SAS) as soon as possible to schedule an appointment to initiate services. Accommodations can be arranged through SAS at any time, but are not retroactive. Students who experience a broken bone, severe injury, or undergo surgery during the semester are eligible for temporary services.

Pregnancy, Pregnancy-related, and Parenting Accommodations
Title IX of the Education Amendments of 1972 prohibits sex discrimination, which includes discrimination based on pregnancy, marital status, or parental status. Students seeking accommodations related to pregnancy, pregnancy-related condition, or parenting (reasonably immediate postpartum period) are encouraged to contact Student Accessibility Services for additional information and to request accommodations.

Student Accessibility Services:
Brownsville Campus: Student Accessibility Services is located in 1.107 in the Music and Learning Center building (BMSLC) and can be contacted by phone at (956) 882-7374 or via email at ability@utrgv.edu.

Edinburg Campus: Student Accessibility Services is located in 108 University Center (EUCTR) and can be contacted by phone at (956) 665-7005 or via email at ability@utrgv.edu.
MANDATORY COURSE EVALUATION PERIOD:
Students are required to complete an ONLINE evaluation of this course, accessed through your UTRGV account (http://my.utrgv.edu); you will be contacted through email with further instructions. Students who complete their evaluations will have priority access to their grades. Online evaluations will be available on or about:

Module 1          October 2nd – 8th
Module 2          November 27th – December 3rd
Full Fall Semester  November 14th – December 4th

ATTENDANCE:
Students are expected to attend all scheduled classes and may be dropped from the course for excessive absences. UTRGV’s attendance policy excuses students from attending class if they are participating in officially sponsored university activities, such as athletics; for observance of religious holy days; or for military service. Students should contact the instructor in advance of the excused absence and arrange to make up missed work or examinations.

SCHOLASTIC DISHONESTY:
As members of a community dedicated to Honesty, Integrity and Respect, students are reminded that those who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and expulsion from the University. Scholastic dishonesty includes but is not limited to: cheating, plagiarism (including self-plagiarism), and collusion; submission for credit of any work or materials that are attributable in whole or in part to another person; taking an examination for another person; any act designed to give unfair advantage to a student; or the attempt to commit such acts. Since scholastic dishonesty harms the individual, all students and the integrity of the University, policies on scholastic dishonesty will be strictly enforced (Board of Regents Rules and Regulations and UTRGV Academic Integrity Guidelines). All scholastic dishonesty incidents will be reported to Student Rights and Responsibilities.

SEXUAL MISCONDUCT and MANDATORY REPORTING:
In accordance with UT System regulations, your instructor is a “Responsible Employee” for reporting purposes under Title IX regulations and so must report to the Office of Institutional Equity & Diversity (oie@utrgv.edu) any instance, occurring during a student’s time in college, of sexual misconduct, which includes sexual assault, stalking, dating violence, domestic violence, and sexual harassment, about which she/he becomes aware during this course through writing, discussion, or personal disclosure. More information can be found at www.utrgv.edu/equity, including confidential resources available on campus. The faculty and staff of UTRGV actively strive to provide a learning, working, and living environment that promotes personal integrity, civility, and mutual respect that is free from sexual misconduct, discrimination, and all forms of violence. If students, faculty, or staff would like confidential assistance, or have questions, they can contact OVAVP (Office for Victim Advocacy & Violence Prevention) at 665-8287, 882-8282, or OVAVP@utrgv.edu.

COURSE DROPS:
According to UTRGV policy, students may drop any class without penalty earning a grade of DR until the official drop date. Following that date, students must be assigned a letter grade and can no longer drop the class. Students considering dropping the class should be aware of the “3-peat rule” and the “6-drop” rule so they can recognize how dropped classes may affect their academic success. The 6-drop rule refers to Texas law that dictates that undergraduate students may not drop more than six courses during their undergraduate career. Courses dropped at other Texas public higher education institutions will count toward the six-course drop limit. The 3-peat rule refers to additional fees charged to students who take the same class for the third time.
STUDENT SERVICES:
Students who demonstrate financial need have a variety of options when it comes to paying for college costs, such as scholarships, grants, loans and work-study. Students should visit the Students Services Center (U Central) for additional information. U Central is located in BMAIN 1.100 (Brownsville) or ESSBL 1.145 (Edinburg) or can be reached by email (ucentral@utrgv.edu) or telephone: (888) 882-4026. In addition to financial aid, U Central can assist students with registration and admissions.

Students seeking academic help in their studies can use university resources in addition to an instructor’s office hours. University Resources include the Advising Center, Career Center, Counseling Center, Learning Center, and Writing Center. The centers provide services such as tutoring, writing help, critical thinking, study skills, degree planning, and student employment. Locations are:

<table>
<thead>
<tr>
<th>Center Name</th>
<th>Brownsville Campus</th>
<th>Edinburg Campus</th>
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<tbody>
<tr>
<td>Advising Center</td>
<td>BMAIN 1.400</td>
<td>ESWKH 101</td>
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<tr>
<td><a href="mailto:AcademicAdvising@utrgv.edu">AcademicAdvising@utrgv.edu</a></td>
<td>(956) 665-7120</td>
<td>(956) 665-7120</td>
</tr>
<tr>
<td>Career Center</td>
<td>BCRTZ 129</td>
<td>ESSBL 2.101</td>
</tr>
<tr>
<td><a href="mailto:CareerCenter@utrgv.edu">CareerCenter@utrgv.edu</a></td>
<td>(956) 882-5627</td>
<td>(956) 665-2243</td>
</tr>
<tr>
<td>Counseling Center</td>
<td>EUCTR 109</td>
<td>BSTUN 2.10</td>
</tr>
<tr>
<td><a href="mailto:Counseling@utrgv.edu">Counseling@utrgv.edu</a></td>
<td>(956) 665-2574</td>
<td>(956) 882-3897</td>
</tr>
<tr>
<td>Learning Center</td>
<td>BMSLC 2.118</td>
<td>ELCTR 100</td>
</tr>
<tr>
<td><a href="mailto:LearningCenter@utrgv.edu">LearningCenter@utrgv.edu</a></td>
<td>(956) 882-8208</td>
<td>(956) 665-2585</td>
</tr>
<tr>
<td>Writing Center</td>
<td>BUBLB 3.206</td>
<td>ESTAC 3.119</td>
</tr>
<tr>
<td><a href="mailto:WC@utrgv.edu">WC@utrgv.edu</a></td>
<td>(956) 882-7065</td>
<td>(956) 665-2538</td>
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