THE UNIVERSITY OF TEXAS RIO GRANDE VALLEY
ORGANIC CHEMISTRY II LAB CHEM 2125 (SECTION 04)
1:50-4:30 PM ESCIE 3.150 R
FALL 2019

Professor: DR. JAVIER MACOSSAY
Office: ESCIE-3.332 Phone: 956-665-3377
e-mail: javier.macossaytorres@utrgv.edu
Office Hours: MW 4:45-5:45 PM and by appointment (ESCIE-3.332)
Prerequisites: CHEM 2325
TEXT: Organic Chemistry II Laboratory Manual available at UTRGV bookstore
FOLLOW BLACKBOARD NOTES AND ONLINE QUizzes

<table>
<thead>
<tr>
<th>EXP #</th>
<th>DATE</th>
<th>EXPERIMENT</th>
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<tbody>
<tr>
<td>AUG</td>
<td>Mon26–Fri30</td>
<td>Check-In, Syllabus, Safety Policy</td>
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<tr>
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<td>Turn in Safety Contract</td>
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<tr>
<td>SEP</td>
<td>Mon2–Fri6</td>
<td>Labor Day Week- No Labs</td>
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<tr>
<td>1 SEP</td>
<td>Mon9–Fri13</td>
<td>Friedel Crafts Acylation</td>
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<tr>
<td>2 SEP</td>
<td>Mon16–Fri20</td>
<td>Nucleophilic Aromatic Substitution</td>
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<tr>
<td>3 SEP</td>
<td>Mon23–Fri27</td>
<td>Synthesis of Acetaminophen</td>
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<tr>
<td>4 SEP-OCT</td>
<td>Mon30–Fri4</td>
<td>Dyes and Dying</td>
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<tr>
<td>OCT</td>
<td>Mon7–Fri11</td>
<td>MID-TERM EXAM (EXP 1-4)</td>
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<tr>
<td>5 OCT</td>
<td>Mon14-Fri18</td>
<td>Fisher Esterification</td>
</tr>
<tr>
<td>6 OCT</td>
<td>Mon21–Fri25</td>
<td>Diels Alder Reaction</td>
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<tr>
<td>7 OCT-Nov</td>
<td>Mon28-Fri1</td>
<td>Nucleophilic Addition to Carbonyl Group</td>
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<tr>
<td>8 NOV</td>
<td>Mon4–Fri8</td>
<td>Infrared and Nuclear Magnetic Resonance Spectroscopy or Soap Experiment</td>
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<tr>
<td>NOV</td>
<td>Mon11–Fri15</td>
<td>FINAL EXAM (EXP 5-8)</td>
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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).
Grading:
Lab quizzes: 50 points per experiment
Lab reports: 50 points per experiment (Total lab quizzes and reports: 800 points)
Mid-Term Examination: 200 Points
Final Examination: 200 Points

100%-90% (1200-1080) A, 89%-80% (1079-960) B, 79%-70% (959-840) C, 69%-60% (839-720) D, < 60% (< 719) F

Lab reports contents should include (please follow lab report guidelines found in blackboard):
1. Introduction
2. Calculations
3. Conclusions
4. Post-laboratory questions

- STUDENT WILL BE DROPPED BY THE INSTRUCTOR WITH 2 MISSED UNEXCUSED ABSENCES.

- STUDENT WILL NOT BE ALLOWED TO PERFORM AN EXPERIMENT IF HE/SHE ARRIVES MORE THAN 10 MINUTES LATE.

- SAFETY GLASSES AND LABCOAT REQUIRED.

- CLOSED FOOT SHOES.

- LONG PANTS.

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 learn safety and handling of chemicals in the laboratory.
2. To gain hands on experience in laboratory techniques.
3. To gain experience in the characterization of organic compounds.
4. To learn the art of Organic Chemistry Synthesis.
5. To demonstrate the use of Organic Chemistry in Medicine.

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:

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<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>
</tr>
<tr>
<td></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>
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<td></td>
<td>(956) 882-5627</td>
<td>(956) 665-2243</td>
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<tr>
<td>Counseling Center</td>
<td>EUCTR 109</td>
<td>BSTUN 2.10</td>
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<td>(956) 665-2574</td>
<td>(956) 882-3897</td>
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<tr>
<td>Learning Center</td>
<td>BMSLC 2.118</td>
<td>ELCTR 100</td>
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<td></td>
<td>(956) 882-8208</td>
<td>(956) 665-2585</td>
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<tr>
<td>Writing Center</td>
<td>BUBLB 3.206</td>
<td>ESTAC 3.119</td>
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<tr>
<td></td>
<td>(956) 882-7065</td>
<td>(956) 665-2538</td>
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UTRGV DEPARTMENT OF CHEMISTRY: LABORATORY SAFETY POLICY

1. Students are required to be covered from wrist to ankles. This means:
   ➢ A lab coat that extends from the wrist to 10 inches below the bench top
   ➢ Long pants

2. Everyone is required to wear goggles or protective eyewear at all times when experiments are being conducted in the lab. Prescription lenses without side shields are not considered safety glasses. Safety glasses must **have side shields**.

3. Everyone is required to wear closed-foot shoes that cover the entire foot at all times in the lab. Must be footwear that does not readily absorb chemicals during a chemical spill. (No socks or canvas shoes).

4. Do not wear garments that are flammable, anything with synthetic fibers, or loosely woven natural fibers.

5. No one is allowed to bring food or drinks into the lab. Chewing gum is not allowed in the lab.

6. Students are required to tie back loose or long hair.

7. Students are not allowed to text while conducting experiments.

8. Students violating any item(s) 1 through 7 will be noted by lab instructor. If the student’s name appears 3 times on the list, the student will be dropped from the lab. The student will check out at this time.

9. Students are required to observe cleanliness of the work area at all times. This includes their personal workspace, sinks, and the area in the back of the lab.

10. At the beginning of the semester, students will sign a document that declares understanding of the safety policies and consequences of policy violations. A signature is considered an agreement to abide by the policies and accept the consequences of violation of said policies.

I have read the “Laboratory Safety Policy” above for the Department of Chemistry at UTRGV. I agree to follow this policy. Failure to do so may result in removal from the course.

Printed Name: ________________________________
Signed Name: ________________________________ Date: ________