UTRGV ORGANIC CHEMISTRY I LAB 2123 (SECTIONS 07, 12 AND 23) SYLLABUS
FALL 2018

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Office Hours: TR 3:00-4:00 PM (ESCNE-3.332)
Available at UTRGV Bookstore or http://www.cengagebrain.com/course/1926847
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>Mon27–Fri31</td>
<td>Check-In, Syllabus, Safety Policy</td>
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<td>Turn in Safety Contract</td>
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<tr>
<td>1</td>
<td>SEP Mon10–Fri14</td>
<td>Separating Cyclohexane and Toluene by Distillation, Macroscale Distillation</td>
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<td>2</td>
<td>SEP Mon17–Fri21</td>
<td>Isolating Clove oil from Cloves Using Steam Distillation, Semi-Microscale Steam Distillation</td>
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<td>3</td>
<td>SEP Mon24–Fri28</td>
<td>Isolating Caffeine from Tea (skip Sublimation)</td>
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<td>4</td>
<td>OCT Mon1–Fri5</td>
<td>Synthesis &amp; Purification of Acetanilide &amp; Recrystallization</td>
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<td>5</td>
<td>OCT Mon8–Fri12</td>
<td>Measuring the Melting Points of Caffeine &amp; Acetanilide</td>
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<td>OCT Mon15-Fri19</td>
<td>MIDTERM EXAM (EXP 1-5)</td>
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<tr>
<td>6</td>
<td>OCT Mon22–Fri26</td>
<td>Thin-Layer Chromatography</td>
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<td>7</td>
<td>OCT Mon29-NOV Fri2</td>
<td>Column Chromatography</td>
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<td>8</td>
<td>NOV Mon5–Fri9</td>
<td>Sn1 and Sn2 Reactions: Nucleophilic Substitution, procedure handout</td>
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<td>9</td>
<td>NOV Mon12–Fri16</td>
<td>Dehydrating Cyclohexanol, Semi-Microscale</td>
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<tr>
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<td>NOV Mon26–Fri30</td>
<td>FINAL EXAM (EXP 6-9)</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 14, 2018 (UNIVERSITY DEADLINE).

Grading:
Lab quizzes: 50 points per experiment
Lab reports: 50 points per experiment (Total lab quizzes and reports: 900 points)
Mid-Term Examination: 200 Points
Final Examination: 200 Points
100%-90% (1300-1157) A, 89%-80% (1156-1027) B, 79%-70% (1026-897) C, 69%-60% (896-767) D, < 60% < 766 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 15 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.

-Please note the University policies and deadlines for refunds, dropping, etc.

STUDENTS WITH DISABILITIES
If you have a documented disability (physical, psychological, learning, or other disability which affects your academic performance) and would like to receive academic accommodations, please inform your instructor and contact Student Accessibility Services to schedule an appointment to initiate services. It is recommended that you schedule an appointment with Student Accessibility Services before classes start. However, accommodations can be provided at any time. Brownsville Campus: Student Accessibility Services is located in Cortez Hall Room 129 and can be contacted by phone at (956) 882-7374 (Voice) or via email at accessibility@utrgv.edu. Edinburg Campus: Student Accessibility Services is located in 108 University Center and can be contacted by phone at (956) 665-7005 (Voice), (956) 665-3840 (Fax), or via email at accessibility@utrgv.edu.

PREGNANCY, PREGNANCY RELATED, AND PARENTING ACCOMODATIONS
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.

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. Online evaluations will be available Nov. 15 – Dec. 5, 2018. Students who complete their evaluations will have priority access to their grades.
SCHOLASTIC INTEGRITY
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, 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 the Dean of Students.

SEXUAL HARASSMENT, DISCRIMINATION, and VIOLENCE
In accordance with UT System regulations, your instructor is a “responsible employee” for reporting purposes under Title IX regulations and so must report any instance, occurring during a student’s time in college, of sexual assault, stalking, dating, violence, domestic violence, or 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 in an environment free from sexual misconduct and discrimination.
All email communication between the University and students will be conducted through the students’ official University account.
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: _________