

ORGANIC CHEMISTRY LAB II
CHEM 2125
SECTIONS 8 and 9

Rm. SCIE 3.150 and SCIE 3.160

Monday 4:30 – 7:10 pm

Instructor Dr. Jose J. Gutierrez
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Office Hours

M, W: 10:00 am – 12:00 pm

Course Description Advanced synthesis with emphasis on aromatic compounds. Grignard and diazonium salt preparation are included. Compounds are characterized by spectroscopic techniques

Program/Major Student Learning Outcomes

- Graduates will have both broad knowledge and skills of critical thinking in the chemical sciences
- Graduates are prepared to conduct or participate in advanced research
- Graduates will demonstrate the ability to communicate chemical knowledge
- Graduates are prepared to search for employment (including graduate or professional school)

Course Student Learning Outcomes

- Graduates will learn safety and handling chemicals in the laboratory
- Graduates will gain hands-on experience in laboratory techniques
- Graduates will demonstrate the use of organic chemistry in medicinal chemistry
- Graduates will gain experience in the characterization of organic compounds

Calendar of Activities

Important dates can be found at <http://www.utrgv.edu/files/documents/admissions/utrgv-academic-calendar-2015-2017.pdf>

Experiment Number	Date	Experiment Title
--	01/23	Check-In, Course Description
1	01/30	Friedel Crafts Acylation
2	02/06	Nucleophilic Aromatic Substitution
3	02/13	Synthesis of Acetaminophen
4	02/20	Dyes and Dying (Mid-term Exam Review)
--	02/27	Mid-Term Exam
5	03/06	Fisher Esterification
6	03/20	Diels Alder Reaction
7	03/27	Nucleophilic Addition to Carbonyl Group
8	04/03	Infrared and Nuclear Magnetic Resonance Spectroscopy
--	04/17	Final Exam Review
	04/24	Final Exam

Text: Organic Chemistry II Laboratory Manual. The lab manual can be ordered at the UTRGV bookstore or at <http://www.cengagebrain.com/course/site.html?id=1-1Y6CYFY>

Grading

100% – 90% = A; 89% – 80% = B; 79% – 70% = C; 69% – 60% = D; < 60 % = F

Pre-lab reports	25%
Post-lab reports	25 %
Mid-term exam	25 %
Final exam	25 %

- **NO MAKE-UP LABS OR EXAMINATIONS: YOU ARE REQUIRED TO WEAR THE PROPER ATTIRE TO WORK IN THE LAB. IF YOU DO NOT, YOU WILL NOT BE ALLOWED IN THE LAB**
- Students attending official University events may take an exam prior to the scheduled date if they provide an official letter from the University
- Pre-lab reports (found after experiment description) are due the day the experiment is performed
- Post-lab reports are due after the experiment is complete
- Pre-lab and post-lab reports will be collected at the beginning of each class
- Late pre-lab and post-lab reports will be accepted up to one week after they are due
- The grade obtained in late reports will be multiplied by 0.7
- Late post-lab reports will be accepted ONLY for experiments performed during class
- **THE LOWEST PRE-LAB OR POST-LAB REPORT GRADE WILL BE DROPPED**

WHAT NOT TO WEAR WHILE IN THE LAB:

- Any garment that exposes part of your legs.
- Any footwear that exposes part of your feet.
- Any footwear that would readily absorb chemicals during a chemical spill.
- Any garment that is considered flammable.
- Anything with synthetic fibers
- Loosely woven natural fibers

Other Course Information

- The use of cell phones is not allowed during class
- The use of laptops/tablets is not allowed during class unless previously approved by a University office
- No recording (video, audio, pictures) is allowed during lectures
- You will need a picture I.D. and a scantron form 882 to take an exam
- Students may view their exams during office hours or by making an appointment
- ***Any changes to the syllabus will be announced in class at least one week in advance***

UTRGV Policy Statements

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.

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.

ATTENDANCE:

- Attendance is mandatory
- Absence from class is not considered an automatic drop
- Drop deadline: April 13

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.

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.