POLYMER SCIENCE AND ENGINEERING 3306.01I AND 3306.02I
THE UNIVERSITY OF TEXAS RIO GRANDE VALLEY
SEMESTER: SPRING 2018

PROFESSOR: DR. JAVIER MACOSSAY-TORRES (DR. JAVIER MACOSSAY)
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Class Hours:  TR 9:25 AM-10:40 AM (EDINBURG- ENGINEERING BUILDING 1.262;
BROWNSVILLE- STUDENT UNION BUILDING #62 2.20)
Office Hours:  TR 10:50-11:40 AM (SCIE-3.332)

Textbook:

Grading:  
Total Points: 300
Attendance: 100
Projects/Exams: 200 Points (100 points each one)
100%-90% (300-270 Points) A, 89%-80% (269-240 Points) B, 79%-70% (239-210
Points) C, 69%-60% (209-180 Points) D, < 60% (< 179 Points) F

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

classes.

Homework: Homework problems will be assigned to practice and develop skills. These tasks will not be
graded, but should be solved as you should expect some of the problems in the examinations.

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 APRIL 12, 2018 (UNIVERSITY DEADLINE).

Syllabus:

Topics:
1.- SYNTHESIS AND REACTIONS OF POLYMERS
2.- PHYSICAL CHARACTERIZATION OF POLYMERS
3.- FABRICATION AND TESTING OF POLYMERS
4.- MOLECULAR STRUCTURE, PROPERTIES, AND USES

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 polymer chemistry.
2.- To have a deeper understanding of mechanistic details.
3.- To learn various polymer groups and their reactivity and properties.
4.- To learn basic concepts in polymer processing and characterization.
6.- To correlate polymers and their uses in day to day life.
-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.

**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 April 11 – May 2, 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.