POLYMER SCIENCE AND ENGINEERING CHEM 3306.01I AND 3306.02I
SPECIAL TOPICS POLYMER SCIENCE AND ENGINEERING CHEM 6330.05I AND 6330.06I
THE UNIVERSITY OF TEXAS RIO GRANDE VALLEY
SEMESTER: SPRING 2019

PROFESSOR: DR. JAVIER MACOSSAY-TORRES (DR. JAVIER MACOSSAY)
OFFICE: CHEMISTRY DEPARTMENT, ESCIE 3.332
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Class Hours: TR 9:25 AM-10:40 AM
EDINBURG- ECOBE 111; BROWNSVILLE- SABAL HALL BUILDING #96 2.110A
Office Hours: TR 10:50-11:40 AM
ESCIE-3.332

Textbook:

Grading: Total Points: 400
Attendance: 100
Projects/Exams: 300 Points (100 points each one)
100%-90% (400-360 Points) A, 89%-80% (359-320 Points) B, 79%-70% (319-280 Points) C, 69%-60% (279-240 Points) D, < 60% (<239 Points) F

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

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 10, 2019 (UNIVERSITY DEADLINE).

Syllabus:
Topics:
1.- History and concepts
2.- Synthesis and reactions of polymers
3.- Correlation of structure and properties of polymers
4.- Characterization of polymers
5.- Processing of 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 polymer chemistry.
2.- To have a deeper understanding of mechanism 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.
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 suffer 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 Cortez Hall Room 129 and can be contacted by phone at (956) 882-7374 (Voice) or via email at ability@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 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 February 13 - 19
Module 2 April 10 - 16
Full Spring Semester April 10 - May 1

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 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 (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 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 that is free from sexual misconduct and discrimination. 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 Learning Center, Writing Center, Advising Center and Career Center. The centers provide services such as tutoring, writing help, critical thinking, study skills, degree planning, and student employment. Locations are:
- Learning center: BSTUN 2.10 (Brownsville) or ELCTR 100 (Edinburg)
- Writing center: BLIBR 3.206 (Brownsville) or ESTAC 3.119 (Edinburg)
- Advising center: BMAIN 1.400 (Brownsville) or ESWKH 101 (Edinburg)
- Career center: BCRTZ 129 (Brownsville) or ESSBL 2.101 (Edinburg)