Pre-requisites:
Chemistry 1301 and 1302.

Catalog Description:
This course studies the structure and uses of main classes of organic compounds, functional groups, and their inter-conversion; characteristics of chemical bonding; stereochemistry; acid-base reactions, resonance, inductive effects, and reaction mechanisms.

Schedule & Contents

1. Structure Determination properties
2. Alkans and cycloalkanes
3. Conformations and isomers
4. Alcohols and halides; organic reaction mechanisms
5. Elimination reactions
6. Addition to alkenes
7. Chirals
8. Nucleophilic substitution; Sn1 and Sn2
9. Alkynes
10. Conjugation systems
11. Arenes & Aromaticity
12.

Context:
This is an introductory course in organic chemistry designed for sophomore and junior students to meet the needs of science majors and students in pre-professional programs. It provides a basic foundation in organic chemistry with which to continue further studies in Organic, Biochemistry, Molecular biology, Medicinal chemistry and Pharmacology.

Academic Honesty: Students are expected to produce their own work. Group activities and collaboration are encouraged. However all written work on individual assignments should be in your own words. A clear distinction will be made between in-class exercises (when students may work together) and quizzes (when students may not work together). Tests and the Final Exam are not group activities. Academic dishonesty will result in a grade of F for the course and further penalties. If you are unclear as to what constitutes academic dishonesty and what the possible penalties are, consult your student handbook or question your instructor.
Make up test: Exams and quizzes can not be made up under any circumstances except for an absence due to an official university sponsored trip or game. In that case, official written notice from the responsible institutional authority must be given to the instructor well ahead of time and make-up arrangements made before the absence occurs. If you know that you will miss a test for a school trip, then contact the instructor as soon as possible for the make-up test. You can only take the make-up test before the regularly scheduled test under such circumstances. No other excuses will be considered for a make-up test. Exam schedules are given in the last page for your early planning. If you miss a test for emergency medical or other reasons, your Final Exam Score will be used to calculate your missed exam/quiz.

Students with Disabilities:

Disability Accommodations
The University of the Incarnate Word is committed to providing a supportive, challenging, diverse and integrated environment for all students. In accordance with Section 504 of the Rehabilitation Act – Subpart E and Title III of the Americans with Disabilities Act (ADA), the University ensures accessibility to its programs, services and activities for qualified students with documented disabilities. For more information, contact the Student Disability Services Office:

Director, Moisés Torrescano
Academic Counselor, Cynthia Pino
Location Administration Building – Room 105
Phone (210) 829-3997
Fax (210) 829-6078

*Information listed above is contact information for Student Disability Services’ Academic Counselor.