

Chem 2323 Organic Chemistry I

Course Information Handout for Fall 2009 sec .01

- Lecturer:** Dr. Eamonn F. Healy
Office: JBWN 215
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Office hours: Tue 2 -3.30 pm
Thurs 2-3.30 pm
Fri 11-1 pm
(Other times by appointment)
- Prerequisite:** General Chemistry CHEM 1340 & Analytical Chemistry CHEM 2320
- Schedule:** Tue & Thur 9.30 - 10.45 am JBWN 202
Review Sessions @4.45 pm in JBWN 102 (On Mondays starting Sept 14th except after exams)
- Text:** *Organic Chemistry* by John McMurry, 5th edition
- Deadlines:** Wednesday, Sept. 9th for unrecorded drop or withdrawal.
Tuesday, Nov.3rd for withdrawal with grade W.
Incompletes will be awarded only in emergency circumstances.
- Exams:**
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| Exam #1 | Tuesday, Sept. 22 nd | 20% |
| Exam #2 | Tuesday Oct. 27 th | 20% |
| Exam #3 | Tuesday, Nov. 24 th | 20% |
| Final | Tuesday, Dec 8 th (@ 9.00am) | 30% |
- Homework will comprise the remaining 10% of the grade.
Make-up exams may be given when circumstances warrant.
- Grades:** A : 90 - 100 % B : 80 - 89 % C : 70 - 79 %
D : 60 - 69 % F : 0 - 59 %
- Academic Honesty** The normal penalty for a breach of academic honesty is a grade of F for all those involved. Dishonesty is broadly defined as the representation of the work of others as ones own.
- Learning Different** If you have a certified disability and/or handicap that requires special consideration with respect to your class performance, please inform me privately of any special needs you may have before the third day of class.
- Course Objective** To develop the students ability to think reason and analyze within the context and framework of organic chemistry.
- Syllabus:** Introduction to atomic structure,molecular orbital and electronic structure.
An overview of the field of *organic* chemistry including a discussion of functional groups
The chemistry of alkanes including nomenclature, stereochemistry and isomerisation.
Alkene structure and stability. An introduction to organic reactions and mechanisms. Alkene reactivity and chemistry.
The chemistry of alkynes and alkyl halides. Introduction to stereochemistry.
The concepts of resonance and aromaticity, Huckels rule and arene structure.
Aromatic chemistry : reactions and mechanism.
The carbonyl functionality, : structure and reactivity and biological importance
Carboxylic acid derivatives : structure and reactivity and biological importance