ORGANIC CHEMISTRY I

Chem 2323
Fall 2005
CN 1.102
T/R 9:30-10:45

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GENERAL INFORMATION: This course is an introduction to organic chemistry. Topics will include visualizing molecular structure and stereochemistry, understanding the basis of a chemical reaction, and predicting molecular transformations and mechanisms.

Tests will be given during class time according to the syllabus. No make-up tests will be given. You may drop one test score. There will in addition be quizzes at the end of class time on the days indicated by the syllabus. One quiz may also be dropped. The quizzes account for 20% of the total grade so neglecting the quizzes amounts to a reduction of a letter grade.

Organic chemistry is often viewed as a difficult course by students. I strongly recommend that everyone attempt to keep up with the class as it proceeds. This is not a course where it is easy to 'cram' for a test. Students invariably do better once they learn how to visualize organic molecules, and reactions, in three dimensions. If you know this is a problem I recommend using molecular models to try and view the molecules. Also try to realize that this is not a memorization course. While some memorization is unavoidable, the purpose of this course is to teach everyone the underlying basic principles that drive an organic reaction. Once these principles are handled a student will be able to understand, and predict, why any reaction occurs whether studied previously or not.

I am available 11-12 after class on T/R. If you cannot make this time please arrange something more suitable. Do not wait until the day or even the week before a test to get help.

The course notes used during lectures can be downloaded as pdf files from www.utdallas.edu/~biewerm. (Go to teaching section under chem 2323.) The test and quiz answers will be posted on the bulletin board outside my office.

TEXTBOOK L.G. Wade, Jr., "Organic Chemistry", sixth edition, 2005.

RECOMMENDED MATERIALS solution manual to textbook, molecular model kit

GRADING	tests	2 x 25%	50%
	quizzes	5 x 4%	20%
	final	1 x 30%	30%

COURSE SCHEDULE

Date		Topic	Chapter	Quiz
	Aug 18	Introduction	1	N
23	25	Structure and Bonding	2	N
30	**SEP 1**	Alkanes	3	Y
6	**8**	Stereochemistry	5	Y
13		Stereochemistry	5	
	SEP 15	**TEST 1**		
20	22	Chemical Reactions	4	N
27	**29**	Nucleophilic Substitutions (S_N2)	6.1-6.12	Y
OCT 4	**6**	Nucleophilic Substitutions (S_N1)	6.13-6.22	Y
11		Nucleophilic Substitutions (compare)		
	OCT 13	**TEST 2**		
OCT 18	20	Alkenes	7	N
25	27	Reactions of Alkenes	8	N
Nov 1	**3**	Alcohols	10	Y
8	**10**	Alcohols/Alkynes	10/9	Y
15		Alkynes	9	N
	NOV 17	**TEST 3**		
22		Review		N
	DEC 1	**FINAL 8AM**		

Days with either a test of quiz are marked in bold