

INSTRUCTOR	YEAR	SEMESTER	COURSE NUMBER	COURSE NAME	SECTION
우한영 (Woo, Han-Young)	2010	1	GN22603	유기화학(I) (ORGANIC CHEMISTRY(I))	110
Instructor's information					
Office Hours		화, 목 15:00 - 18:00			

1.Course Objectives & Description

1) Course Objectives

The objective of this course is to develop the knowledge of basic concepts and theory on organic molecules, structure and properties, organic reactions, etc.

2) Course Description

This course consists of series of lectures on structures of organic molecules, functional groups, nomenclature, chemical bonds, chemical reactions, reaction mechanisms, structure and property relationships, etc.

2.Required TextBook

Organic Chemistry (7th edition) by Francis A. Carey

3.Requirements & Grading

Exam 1 (30%), Exam 2 (30%), Exam 3 (30%), attendance and participation in the class (10%)

4.Schedule

Week No	Topics and Activities	Assignments & Other Instructions
Week1	Chap. 1 Structure Determines Properties	
Week2	Chap. 1 Structure Determines Properties	
Week3	Chap 2. Alkanes and Cycloalkanes: Introduction to Hydrocarbons [Preventive education of dishonest acts such as plagiarism]	
Week4	Chap 3. Alkanes and Cycloalkanes: Conformations and cis-trans Stereoisomers [Preventive education of dishonest acts such as plagiarism]	
Week5	Chap 3. Alkanes and Cycloalkanes: Conformations and cis-trans Stereoisomers	
Week6	Chap 4. Alcohols and Alkyl Halides	Exam 1 (Chap 1 - 4)
Week7	Chap 5. Structure and Preparation of Alkenes: Elimination Reactions	
Week8	Chap 5. Structure and Preparation of Alkenes: Elimination Reactions	
Week9	Chap 6. Addition Reactions of Alkenes	
Week10	Chap 6. Addition Reactions of Alkenes	
Week11	Chap 7. Stereochemistry	Exam 2 (Chap 5 - 7)
Week12	Chap 8. Nucleophilic Substitution	

Week13	Chap 8. Nuclephilic Substitution	
Week14	Chap 9. Alkynes	
Week15	Chap 10. Conjugation in Alkadienes and Allylic Aystems	
Week16	Chap 10. Conjugation in Alkadienes and Allylic Aystems	Exam 3 (Chap 8 - 10)

5.References

Organic Chemistry 9th Edition by T. W. Graham Solomons and Craig B. Fryhle published by Wiley International