

Syllabus and Class Schedule: Organic Chemistry I

Department of Chemical and Biological Engineering, 2007/2

Class Hours	Tuesdays and Thursdays 4:00 – 5:15 pm
Classroom	[001] 302-508 [002] 302-509
Instructor	[001] Dr. Young Gyu Kim; Room 302-728, 880-8347, ygkim@snu.ac.kr Teaching Assistants in Room 302-708 [002] Dr. Jong-Chan Lee; Room 302-730, 880-7070, jongchan@snu.ac.kr Teaching Assistants in Room 302-714
Office Hours	10:50 – 11:50 am, Monday through Friday
Website	http://eng.snu.ac.kr/lecture/index.php (College of Engineering): Register at '458.204 Organic Chemistry 1 (Kim, Young Gyu/Lee, Jong-Chan)'
Textbook	J. M. Hornback, <i>Organic Chemistry 2nd Ed.</i> , Thomson Brooks/Cole, 2006.
References	1. Fessenden and Fessenden, <i>Organic Chemistry, 6th ed.</i> , Brooks/Cole, 1998. 2. Morrison and Boyd, <i>Organic Chemistry, 6th ed.</i> , Prentice-Hall, 1992.
Grading	Based on the total of 600 points: Hour Exams 3 exams × 120 points (semi-comprehensive, 20/80) = 360 points Final Exam Comprehensive design problems, 180 points (open-book test) Homework 4 HWs before each exam, due on the exam day × 15 points = 60 points Attendance Each absence costs minus (–) 3 points <i>Grade 'F' will be given to them who miss 2 or more exams or a quarter of class hours.</i> <i>Independent grading for each section (001 or 002) and the students registered more than once.</i>

Schedule

<u>Week/Day</u>	<u>Topic</u>	<u>Chapter/Page</u>	<u>Remarks</u>
1/Sep 3	Introduction & Chemical Bonds	Ch 1/Page 1	
2/Sep 10	<i>No classes</i>	<i>No classes</i>	
3/Sep 17	Organic Compounds: A First Look	Ch 2/Page 30	
4/Sep 24	Orbitals and Bonding	Ch 4/Page 61	9.25 Chuseok
5/Oct 1	Acid-Base Reactions	Ch 4/Page 103	
6/Oct 8	Functional Groups I	Ch 5/Page 142	
6/Oct 13, 1 pm	<i>1st Hour Exam (2 hrs)</i>	<i>Chapters 1-4</i>	HW#1 Due
7/Oct 15	Stereochemistry I	Ch 6/Page 178	
8/Oct 22	Stereochemistry I/II	(continued)	10.25 Study day
9/Oct 29	Stereochemistry II	Ch 7/Page 219	
10/Nov 5	Nucleophilic Substitution Reactions	Ch 8/Page 257	
10/Nov 10, 1 pm	<i>2nd Hour Exam (2 hrs)</i>	<i>Chapters 1-7</i>	HW#2 Due
11/Nov 12	Elimination Reactions	Ch 9/Page 313	
12/Nov 19	Interconversion of FGs	Ch 10/Page 348	
13/Nov 26	Addition Reactions of Alkenes	Ch 11/Page 404	
13/Dec 1, 1 pm	<i>3rd Hour Exam (2 hrs)</i>	<i>Chapters 1-10</i>	HW#3 Due
14/Dec 8, 1 pm	<i>Final Exam (3 hrs)</i>	<i>Chapters 1-11</i>	HW#4 Due
15/Dec 14	Grade report (test scores)		<i>Confirm!</i>