

CHEM 201– Organic Chemistry I
Semester 152 (2015-2016)
Chemistry Department, KFUPM

TEXT BOOK: Organic Chemistry by John E. McMurry (eighth Edition); 2012, Brooks/Cole.

LECTURE SCHEDULE: Days = UTR, Start Time = 8 (Sec. 3), 9 (Sec. 2) & 11 (Sec. 1) AM

Lecture	Day	Date	Chapter	Important Events
1	U	17 Jan	1	<i>Classes begin</i>
2	T	19 Jan	1	
3	R	21 Jan	1	
4	U	24 Jan	2	
5	T	26 Jan	2	
6	R	28 Jan	2	<i>Last day for dropping course without a permanent record</i>
7	U	31 Jan	3	
8	T	02 Feb	3	
9	R	04 Feb	3	
10	U	07 Feb	4	
11	T	09 Feb	4	
12	R	11 Feb	4	
13	U	14 Feb	5	
14	T	16 Feb	5	
15	R	18 Feb	5	
16	U	21 Feb	Review	Major Exam 1 (Sunday, February 21, 2016 @ 6:30 PM; Chapters 1 – 5)
17	T	23 Feb	6	
18	R	25 Feb	6	<i>Last day for dropping course with grade of "W" (through web)</i>
19	U	28 Feb	7	
20	T	01 Mar	7	
21	R	03 Mar	7	
22	U	06 Mar	8	
23	T	08 Mar	8	
24	R	10 Mar	8	
Midterm Vacation (Saturday March 13 – Thursday March 17)				
25	U	20 Mar	9	
26	T	22 Mar	9	
27	R	24 Mar	9	
28	U	27 Mar	10	
29	T	29 Mar	10	
30	R	31 Mar	11	<i>Last day for withdrawal from all courses with grade of "W"</i>
31	U	03 Apr	11	
32	T	05 Apr	11	
33	R	07 Apr	15	
34	U	10 Apr	Review	Major Exam 2 (Monday, April 11, 2016 @ 6:30 PM; Chapters 6 – 11)
35	T	12 Apr	15	
36	R	14 Apr	16	
37	U	17 Apr	16	
38	T	19 Apr	16	
39	R	21 Apr	17	
40	U	24 Apr	17	
41	T	26 Apr	17	
42	R	28 Apr	17	<i>Last day for withdrawal from all courses with a grade of "WP/WF"</i>
43	U	01 May	18	
44	T	03 May	18	
45	R	05 May	Review	Last day of classes
Final Exam (May 09, 2016, Monday @ 7 PM)				

COURSE CODE: CHEM 201 – ORGANIC CHEMISTRY I (3-4-4)

COURSE DESCRIPTION:

Structure, nomenclature, bonding, isomerism, stereochemistry and properties of organic compounds. Synthesis and reactions of alkanes, alkenes, alkynes, alcohols, ethers, alkyl halides and aromatics. Mechanism of addition, elimination, substitution, radical and electrophilic aromatic substitution reactions.

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COURSE SYLLABUS:

The following **Fifteen (15)** Chapters will be covered in this course: **Chapters 1-11, & 15-18.**

The following sections **will not** be covered in this course:

3.5, 4.4, 5.4 & 5.10 - 5.12, 6.7 & 6.11, 8.11, 11.1, 11.6, & 11.11, 15.7, 17.11 and 18.9.

GRADE DISTRIBUTIONS:

Major Exams	:	35 %	(1 st & 2 nd Major: 17.5% each)
Final Exam	:	28 %	(comprehensive)
Laboratory	:	25 %	(Normalized to 75%)
Class Work	:	12 %	(Normalized to 65%)

*First Major exam: **Chapter 1 - 5***

*Second major exam: **Chapter 6 - 11***

*Final Exam: **Comprehensive (multiple-choice questions)***

*Class Work: **Quizzes / Homework / Attendance***

HOME WORK / ASSIGNMENT: Chapter end Problems:

Chapter # 1:	24, 27, 28, 30, 31, 34, 35, 38-40, 44.	Chapter # 9:	18, 20, 22, 25, 29-31, 36.
Chapter # 2:	24, 28, 31, 32, 34, 38, 40, 42, 45, 46.	Chapter # 10:	18-20, 22, 23, 29, 32, 34, 35, 39.
Chapter # 3:	22(a, b), 24, 25, 27(a, b), 28, 31, 33, 38-40, 42, 44, 53.	Chapter # 11:	21, 25, 29, 31, 33, 35, 36, 40, 46, 47, 50, 56, 62.
Chapter # 4:	27, 29, 30, 32, 34, 37, 39, 42, 47, 49, 50.	Chapter # 15:	18, 19, 25(a, b), 29, 38, 42, 43, 44.
Chapter # 5:	28, 34, 35 (a, c), 37-39, 42, 45, 50, 54, 64, 68.	Chapter # 16:	28, 30, 31, 33, 36, 46, 48, 49-51, 53, 74.
Chapter # 6:	18-23, 26, 27, 34, 37, 39.	Chapter # 17:	22, 26, 32, 34(a, b), 38, 40, 50.
Chapter # 7:	26, 27, 29-31, 37, 38, 41, 45, 46-50, 57.	Chapter # 18:	21, 23 (a, d), 24 (e, h), 26 (a, e), 27, 28, 36, 43, 55.
Chapter # 8:	26, 27, 29, 36, 37, 38, 40, 51, 59.		

INSTRUCTORS:

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