

ORGANIC CHEMISTRY I (CHE 253-254)
Syllabus (Fall 2008)

Instructor: Dr Omar E. Christian

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Lecture Time: Mon, Tue, Wed and Fri. (8:00 am – 8:50 am)

Lab Time: Tue (Stream A 9:00 am – 12:00 pm)

(Stream B 2:00 pm – 5:00 pm)

Fri (Stream C 2:00 pm – 5:00 pm)

Office Hrs: 9:00 am-11:00 am Mon, Wed, Thur and Fri

Required Text: L. G Wade Jr. "Organic Chemistry", 6th Edition, Prentice Hall 2006.

Course Objectives: Organic Chemistry I. This course will provide students with knowledge of the fundamental concepts and principles in organic chemistry. Upon completion of this course students should have a basic understanding of the principles outlined below:

Course Content

Lectures	Date*	Chapter		
Wk 1	Mon	Aug. 18	1	Review/Introduction/Atomic Structure
	Tue		1	Atomic Structure
	Wed		2	Structure and Property of Organic Molecules
	Fri	Aug 22	2	Structure and Property of Organic Molecules
Wk 2	Mon	Aug 25	2	Structure and Stereochemistry of Alkanes
	Tue		2	Structure and Stereochemistry of Alkanes
	Wed		3	Structure and Stereochemistry of Alkanes
	<i>Fri*</i>	<i>Aug 29</i>	<i>3</i>	<i>Structure and Stereochemistry of Alkanes</i>
Wk 3	Mon	Sept 1		Labor Day
	Tue	Sept 2	4	The Study of Chemical Reactions
	Wed		4	The Study of Chemical Reactions
	<i>Fri</i>	<i>Sept 5</i>		<i>Tutorial 1</i>
Wk 4	Mon	Sept 8	4	The Study of Chemical Reactions
	Tue			In Course Exam 1 (Chap 1-4)
	Wed		5	Stereochemistry
	Fri	Sept 12		Stereochemistry
Wk 5	Mon	Sept 15	5	Stereochemistry
	Tue		5	Stereochemistry
	Wed		6	Alkyl Halides: Substitution, Elimination
	<i>Fri*</i>	<i>Sept 19</i>		<i>Alkyl Halides: Substitution</i>
Wk 6	Mon	Sept 22	6	Alkyl Halides: Substitution
	Tue		6	Alkyl Halides: Substitution

Lectures	Date	Chapter	
	Wed	7	Structure and Synthesis of Alkenes
	<i>Fri</i>	<i>Sept 26</i>	<i>Tutorial 2</i>
Wk 7	Mon	Sept 29	7
	Tue	Sept 30	In Course 2 Exam 2 (Chap 5-7)
	Wed	Oct 1	8
	Fri	Oct 3	8
Wk 8	Mon	Oct 6	8
	Tue		8
	Wed		9
	<i>Fri*</i>	<i>Oct 10</i>	<i>Alkynes</i>
Wk 9	Mon	Oct 13	9
	Tue		9
	Wed		15
	<i>Fri</i>	<i>Oct 17</i>	<i>Tutorial 3</i>
Wk 10	Mon	Oct 20	15
	Tue		15
	Wed		16
	Fri	Oct 24	
Wk 11	Mon	Oct 27	16
	Tue		17
	Wed		
	Fri	Oct 31	
Wk 12	Mon	Nov 3	17
	Tue		17
	Wed		Mid-Semester 2
	Fri	Nov 10	Infrared and Mass spectrometry Intro
Wk 13	Mon	Nov 12	Veterans day
	Tue		
	Wed		
	Fri	Nov 16	
Wk 14	Mon	Nov 19	Review Session
	Tue		Review Session
	Wed	21	
	Fri	Nov 23	Thanksgiving Day
			Presentations
Finals			

*The dates listed are tentative and may change to meet the needs of the class.
 Second semester will continue in the same book.

3 Mid-Semester Examinations	30%	300 points
Laboratory	20%	200 points
Final Examination	50%	500 points
Total		1000 points

Grades*

85-100%	A
≥ 65 and < 84%	B
≤50 and <64%	C
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≥40 and <49%	D
< 39	F

Note

- 1) Examinations: There will be 2 in-course/mid-semester exams and a final examination.
- 2) Homework: It is your responsibility to complete assignments given in your text; the answers will periodically be discussed in the Friday tutorial class.
- 3) Tutorial classes are compulsory and require full participation, in addition to preset tutorial question sets, this period will be used as a general discussion section.
- 4) Laboratory projects: You will be required to complete 5 laboratory projects (5% or 50 points each). These projects will be turned in as a report written in ACS style. You are expected to keep a proper lab notebook and observe safe lab practices at all times (goggles, waste disposal, etc.)
- 5) Attendance: You are expected to attend all lectures, pay attention, and take good notes in class. Class starts at 8:00 a.m. you are expected to be on time for class. If you do come into class late, please do so in a manner that is not disruptive to the class.
- 6) Cell Phones and other mobile devices: Please turn off all mobile communication devices while in class. It is disrespectful to answer or use a mobile phone while in class and it will not be tolerated. Getting up and leaving class to answer a phone and will not be tolerated. Use voicemail since that is what it was designed for. Any incidence of using text messaging during an exam will be considered an act of academic dishonesty and will be dealt with according to published UVI procedures.