

Chemistry 212

INSTRUCTOR

David Dawson

Contact Information:

OFFICE
CW 216

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Section
A,B

Room
AH 155

Time
9:30 a. m – 10:45 a.m. T, R
11:00 a.m. – 12:15 p.m. T, R

Office Hours: By appointment.

Problem Working Sessions: TBA

Text: A book is required but can be one you choose.

Helpful Ancillaries: The Study Guide and Solutions Manual to accompany the book you choose will be very helpful.

Catalogue Description: CHEM 212. ORGANIC CHEMISTRY II

This is the second in a two-semester sequence which builds on CHEM 211. This course will use a mechanistic and functional-group approach to introduce organic concepts. Topics include NMR, IR, and UV spectroscopy, aromaticity, enolates and polymers. Mechanisms include EAS, NAS, nucleophilic addition, and nucleophilic acyl substitution. This course deals with compounds from both the aliphatic and aromatic series. Prerequisites: CHEM 211, 211L. Prerequisite or corequisite: CHEM 212L. Offered in the Spring semester. *One semester, three credits.*

Class Web Site:

<http://facstaff.cbu.edu/~ddawson/212>

Corequisite: Chem 212 L

Class behavior: Excessive talking will result in dismissal from class with loss of points if an assignment is given that day. (i.e. quiz or test). Dismissal from class will also count as an absence.

Objective: The objective of this course is to expand on the foundation that you built in the first semester of Organic. Everything that you learned last semester will be used this semester and how all of the items are inter-related will be shown. This course is not designed as a “weed-out” course and it is hoped that everyone is successful in mastering the material.

Grading: There will be four one-hour exams, and a final. Quizzes will be given and they might be pop quizzes (see below) or scheduled quizzes. Assignments will also be given. Quizzes and assignments are worth ten points and will total 100 points together. **Makeup exams will be given during on the last day of the semester.**

If a student is seen texting, a pop quiz will result for the whole class.

Points Breakdown

Quizzes/Assignments	100
Exams	400
Final Exam	<u>200</u>
Total	700

Absences: An excused absence is a) a death in the family, b) illness, or c) school business. In the case of illness a record from a doctor is required. If you know that you will miss the exam you must make arrangements **before** the exam is given. Only **ONE** exam can be made up. The exam will not be returned until all of the students have taken the exam.

Expectations: The following is a list of things you are expected to do: 1) Attend class regularly. 2) Read the material in your text **with a pencil**. 3) Work problems in the chapter as well as those at the end of the chapter. 4) Complete the notes in class. 5) Participate in class. 6) Keep up with the material in class. 7) Come to my office to ask questions when you are having trouble understanding the material. It is best to have specific questions or areas marked but I'll help you even if you need a broader scope.

Quizzes\Problem sets: Quizzes and problem sets **cannot** be made up for any reason and you must be present for the quizzes and problem sets.

Final Exam: The final exam will be an ACS multiple-choice test. It cannot be given BEFORE or AFTER the scheduled exam date. If you miss the exam, the next time to take the exam will be in August at the end of summer school.

Schedule Spring 2012

<u>Period</u>	<u>Date</u>	<u>Chapter of Carey 8th edition</u>
1	1/10	Chapter 10.10 – Chapter 10.18
2	1/12	Chapter 11.0 – Chapter 11.10
3	1/17	Chapter 11.10 – Chapter 11.23
4	1/19	Chapter 11.10 – Chapter 11.23
5	1/24	Chapter 12.0 – Chapter 12.12
6	1/26	Chapter 12.13 – Chapter 12. 23
7	1/31	Test # 1

8	2/2	Chapter 14.0 – Chapter 14. 9
9	2/7	Chapter 14.10 – Chapter 15. 1
10	2/9	Chapter 15. 2 – pgs 684 - 685
11	2/14	Chapter 16.0 – Chapter 16. 13
12	2/16	Chapter 16.14 – Chapter 17. 6
13	2/21	Chapter 17.6 – pgs. 772 - 775
14	2/23	Test # 2
15	2/28	Chapter 18.0 – Chapter 18.14
16	3/1	Chapter 18.15 – Chapter 19.10
17	3/13	Chapter 18.15 – Chapter 19.10
18	3/15	Chapter 19.11 – End of Chapter 19
19	3/20	Chapter 20.0 0 Chapter 20.4
20	3/22	Chapter 20.5 – Chapter 20.9
21	3/27	Test # 3
22	3/29	Chapter 20.9 – Chapter 20.12
23	4/3	Chapter 20.12 – Chapter 20. 20
24	4/10	Chapter 21
25	4/12	Chapter 22
26	4/17	Parts of Chapters 23 and 24
27	4/19	Chapter 27
28	4/24	Review
29	4/26	Test # 4

The lecture schedule is only a guideline and will probably not be firmly adhered to. The exam schedule is firm and will be strictly adhered to.