

## Chemistry 212

### INSTRUCTOR

David Dawson

#### Contact Information:

OFFICE

CW 216

PHONE

321-3464

ELECTRONIC MAIL

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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:** 9:00 – 12:00 Monday, 8:30 – 9:30 Tuesday, Thursday, 9:00 – 2:00 Wednesday or BY APPOINTMENT

**Problem Working Sessions:** TBA

**Text:** Carey's Organic Chemistry 10<sup>th</sup> edition will be used for the order of the subjects covered. Carey may not be the book that explains the subject best to you so look for other books in the chemistry resource room.

**Helpful Ancillaries:** The Study Guide and Solutions Manual for Carey's 10<sup>th</sup> edition of Organic chemistry.

#### **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

**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 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 or scheduled quizzes. Your quizzes will be summed. All quizzes will be counted even if the sum is greater than 100. **Makeup exams will be given in the next class period after the scheduled exam. The makeup exam will be much harder than the regularly scheduled exam.**

**Your lowest exam of the semester will be dropped.**

Grading Scale: 100 -89.5 A  
89.44 A – 79.5 B  
79.44 –C – 69.5 C  
69.44 D – 59.5 D

**The grading scale might be lowered (e.g. 87 might be an A) but do not count on it.**

Points Breakdown

Quizzes	100
Exams	300
Final Exam	<u>200</u>
Total	600

**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. If you are more than 15 minutes late to class, it will be counted as an absence. If you are gone from class for more than 10 minutes, it will be counted as an absence.

**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.

**Final Exam:** The final exam will be a 70 question ACS multiple-choice test. Each question is worth 4 points. It is possible to make a 280 on the final and your score will be counted if you exceed 200 points. The ACS exam can only be given one time a semester so it cannot be given early or later than the scheduled time.

**Quizzes:** If you leave after taking a quiz, your quiz will NOT be counted. QUIZZES CANNOT BE MADE UP FOR ANY REASON.

Notes: Please print off the notes and bring to class. Directions to get the notes will be given in class.

URL: [www.cbu.edu/ddawson/212/stuff](http://www.cbu.edu/ddawson/212/stuff)

Username:

Password:

Schedule  
**Spring 2020**

<u>Period</u>	<u>Date</u>	<u>Chapter of Carey 10<sup>th</sup> edition</u>
1	1/7	11
2	1/9	11
3	1/14	12
4	1/16	12
5	1/21	13
6	1/23	13
7	1/28	Test # 1
8	1/30	13
9	2/4	15
10	2/6	15
11	2/11	16
12	2/13	16
13	2/18	17
14	2/20	Test # 2
15	2/25	17
16	2/27	18
17	3/10	18
18	3/12	18
19	3/17	19
20	3/19	19
21	3/24	Test # 3
22	3/26	20
23	3/31	20
24	4/2	21
25	4/7	21
26	4/14	22
27	4/16	23, 24, 25
28	4/21	Review
29	4/23	Test # 4
30	FINAL EXAM	TBA

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.