

Chemistry 211

INSTRUCTOR

David Dawson

Contact Information:

OFFICE
CW 216

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Sections
A & B

Room
AH 155

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

Office Hours: TBA

Problem Working Sessions: TBA

Text: A book is required but can be one you choose. The notes that will be given out are aligned with either the 7th or 8th edition of Organic Chemistry by Francis Carey.

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

Computer Ancillaries: Spartan 04 which is in the library or in the chemistry resource room.

Catalogue Description: CHEM 211. ORGANIC CHEMISTRY I

This course uses both a mechanistic and functional-group approach to introduce organic concepts. Topics include bonding, functional groups, stereochemistry, acid and bases, and conformations. Mechanisms covered include electrophilic addition, SN₂, SN₁, E₁, E₂ and radical reactions. This course deals with compounds from the aliphatic series. Prerequisites: CHEM 114, 114L. Prerequisite or corequisite: CHEM 211L. Offered in the Fall semester. One semester; three credits.

Class Web Site:

<http://www.cbu.edu/~ddawson/211>

Prerequisite: A C or better in 114 and 114L.

Corequisite: Chem 211 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 principles from Chemistry 114. This course should give you a foundation for Organic that can be used next semester and that will allow you to remember Organic chemistry long after the course is over. The course will be a combination of functional group transformations and reaction mechanisms. This course is not designed as a “weed-out” course and it is my goal for everyone will master the material.

Grading: There will be four one-hour exams, and a final. Your lowest exam score will be dropped. There will be at least 5 quizzes given over the semester. **THERE MIGHT BE MORE QUIZZES GIVEN IF POP QUIZZES ARE NEEDED.** Each quiz will be worth 10 pts. There will be 5 problem sets over the semester with each problem set being worth 10 points.

TEXTING: If a student is seen texting, a pop quiz will result for the whole class. Once five quizzes have been taken and a student is seen texting, TWO points will be deducted from the next test for the student seen texting. It is possible to get multiple deductions on any lecture period.

Points Breakdown

Problem Sets	50
Quizzes	50* (This total might be more than 50.)
Exams	300
Final Exam	<u>200</u>
Total	600 * (Might be more than 600 if more than five quizzes.)

Absences: If you have an **excused** absence, your percentage on the ACS final will be used for your missed exam. **NO MAKEUP EXAM WILL BE GIVEN.** An excused absence is a) a death in the family, b) illness, or c) school business. In the case of illness a record from the 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: Quizzes **cannot** be made up for any reason and you must be present for the quizzes.

Problem Sets: The only way to be successful in Organic chemistry is to work problems. The problem sets will be used to help you work problems. Problem sets may be worked in class and are graded for attempts and not necessarily for the correct answer.

Final Exam: The final exam will be an ACS multiple-choice test. It cannot be given earlier than its scheduled time for ANY reason.

Sections Covered/Lecture Notes: Complete and incomplete lecture notes will be handed out. These notes can be completed by attending class and incomplete notes might make it easier for students to concentrate on lecture material. If you would rather not have the lecture notes to complete in class, please let me know. The chapter and section number of each section in the notes will be listed.

Schedule
Fall 2011

<u>Period</u>	<u>Date</u>	<u>Notes</u>
1	8/23	1
2	8/25	2
3	8/30	3
4	9/1	4
5	9/6	4
6	9/8	5
7	9/13	Test # 1
8	9/15	5
9	9/20	6
10	9/22	6
11	9/27	7
12	9/29	7
13	10/4	8
14	10/6	9
15	10/11	Test # 2
16	10/13	9
17	10/25	10
18	10/27	11
19	11/1	12
20	11/3	13
21	11/8	13
22	11/10	Test #3
23	11/15	14
24	11/17	15
25	11/22	16
26	11/29	17
27	12/1	18
28	12/6	19
29	12/9	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.