

Chemistry 2132-001, Organic Chemistry II – Spring 2012

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Office Hours: every weekday (Mon.-Fri.) 11:00 am - 12:00, or by appointment (email)

Class Meetings: Tues. / Thurs., 9:30 – 10:45 AM in Burson 110

Friday Session: Friday 2:00 – 3:50 PM in Burson 110 (Quizzes and exams will be given during this time in addition to the opportunity to go over chapter problems.)

Textbook: P. Vollhardt, N. Schore, Organic Chemistry: Structure and Function, 6th ed., Freeman & Company, New York **2011**.

Addn. Texts: N. E. Schore, Study Guide and solution Manual for Organic Chemistry: Structure and Function, 6th ed., Freeman & Company, New York, **2010**. D. R. Klein, Organic Chemistry I/II as a Second Language, Wiley.

Course Prerequisites: Completion of CHEM 2131 with a grade C or better is required.

Course Objective: CHEM 2132 will introduce to you the principles of spectroscopy of organic compounds and will continue to build upon the bonding, structure, and reactivity learned in CHEM 2131. The course covers chapters 10 and 11 (IR spectroscopy) and 14-23 in the above textbook (P. Vollhardt).

Attendance: You should attend class on a regular basis. Announcements in class related to certain topics that may not be covered in your textbook might show up on a quiz or exam. Your absence from lecture does not excuse you from missing any announcements made during regular class time.

Grading: The final course grade will be determined by total points accumulated. Maximum is 600, based on the sum of 10 weekly quizzes worth 10 points each, 3 midterm exams, worth 100 points each, a final exam, worth 200 points, given in class as indicated on the schedule. (Missing an exam/quiz will require a written medical excuse. An appropriate fraction of the final exam score will replace the missed exam. There will be no make-up exams.) (Scores of \geq 90% - A, 75% - B, 60% - C, 45% - D)

Extra Credit: There will be an opportunity to earn extra points with five sets of 4 organic molecules to investigate online. Each set returned correctly earns 4 points extra credit, up to 20 points total.

<u>Date</u>	<u>Class Schedule & Topics</u>	
T, 1/10	Introduction	Chap 10 – NMR Spectroscopy
R, 1/12		Chap 10
F, 1/13	Quiz 1	Chap 10
T, 1/17		Chap 11 – IR Spectroscopy / Mass Spectrometry
R, 1/19		Chap 11
F, 1/20	Quiz 2	Chap 11
T, 1/24		Chap 14 – Delocalized Pi Systems
R, 1/26		Chap 14
F, 1/27	Quiz 3	Chap 14
T, 1/31		Chap 15 – Benzene and Aromaticity
R, 2/2		Chap 15
F, 2/3	Quiz 4	Chap 15
T, 2/7		Chap 16 – Electrophilic Attack on Derivatives of Benzene
R, 2/9		Chap 16
F, 2/10	Exam 1	Chap 10, 11, 14, 15
T, 2/14		Chap 17 – Aldehydes and Ketones
R, 2/16		Chap 17
F, 2/17	Quiz 5	Chap 16, 17
T, 2/21		Chap 18 – Enols, Enolates and the Aldol Condensation
R, 2/23		Chap 18
F, 2/24	Quiz 6	Chap 18
T, 2/28		Chap 19 – Carboxylic Acids
R, 3/1		Chap 19
F, 3/2	Quiz 7	Chap 19
T, 3/6	Spring Recess – no classes	
R, 3/8	Spring Recess – no classes	
F, 3/9	Spring Recess – no classes	
T, 3/13		Chap 20 – Carboxylic Acid Derivatives
R, 3/15		Chap 20
F, 3/16	Quiz 8	Chap 20
T, 3/20		Chap 21 – Amines and their Derivatives
R, 3/22		Chap 21
F, 3/23	Exam 2	Chap 16-20
T, 3/27		Chap 22 – Chemistry of Benzene Substituents
R, 3/29		Chap 22
F, 3/30	Quiz 9	Chap 22
T, 4/3		Chap 23 – Ester Enolates and the Claisen Condensation
R, 4/5		Chap 23
F, 4/6	Spring Weekend - no classes	
T, 4/10		Chap 23
R, 4/12		Chap 23
F, 4/13	Quiz 10	Chap 23
T, 4/17		Chap 24/25/26 – Carbohydrates/Heterocycles/Nucleic Acids
R, 4/19		Chap 24/25/26
F, 4/20		Chap 24/25/26
T, 4/24		Review
R, 4/26		Review
F, 4/27	Exam 3	Chap 21-26
T, 5/1		Review
FINAL EXAM:	ACS Standardized Exam - Thursday, May 10, 8:00 - 10:30 am	

DATE	EVENTS
January 4, 2012	Payment Due Date/Cancellation for non-payment * 11:59 PM
January 8, 2012	Last day to drop all classes (100% refund) * 11:59 PM
January 9, 2012	First day of classes
January 14, 2012	Saturday classes begin
January 16, 2012	Dr. Martin Luther King Jr. Day -University Closed
January 19, 2012	Last day to change Grade Type (P/NC or Audit)
January 19, 2012	Last day to add, drop with no grade * 11:59 PM
January 19, 2012	Deadline for graduate students to file candidacy forms for May 2012 degree
January 19, 2012	Last day to submit a grade replacement request * 11:59 PM
January 19, 2012	2nd cancellation for non-payment 11:59 PM
January 19, 2012	Deadline for graduate students to apply for May 2012 graduation*
January 23, 2012	Deadline for compliance with NC Immunization Law
January 23, 2012	Census Date for Spring Enrollment
January 31, 2012	Deadline for undergraduate students to apply for May 2012 graduation* 11:59 PM
February 13, 2012	Web access available for Unsatisfactory Grade submission
March 2, 2012	Unsatisfactory grades due on the web by noon
March 5, 2012	Fall 2012 Schedule of Classes and Final Exam Schedule available on the web
March 5, 2012	Student registration appointment times available on web
March 5, 2012 - March 10, 2012	Spring Recess - No Classes
March 7, 2012	Unsatisfactory Grade notices emailed to students
March 14, 2012	Last day to submit graduate dissertation to the Graduate School for May 2012 degree
March 19, 2012	Last day to withdraw from a course with a 'W' grade * 11:59 PM
March 26, 2012	Registration for Summer 2012 and Fall 2012 begins*
April 6, 2012 - April 7, 2012	Spring Weekend - No Classes
April 9, 2012	Deadline to withdraw from all courses with 'W' grade * 11:59 PM
April 13, 2012	Last day to submit graduate thesis to the Graduate School for May 2012 degree
April 27, 2012	Faculty final web grading access available

April 28, 2012	Saturday classes final exams
May 1, 2012	Last day of classes
May 2, 2012	Reading Day
May 3, 2012 - May 4, 2012	Final Examinations
May 7, 2012 - May 10, 2012	Final Examinations Continued
May 11, 2012	Ceremony Day
May 12, 2012	Commencement
May 14, 2012	Academic Year ends
May 14, 2012	Grades due on the web by noon
May 17, 2012	Spring 2012 Probation/Suspension notifications sent to students

Classroom climate. UNC Charlotte strives to create an academic climate in which the dignity of all individuals is respected and maintained. The university celebrates diversity that includes, but is not limited to, ability/disability, age, culture, ethnicity, gender, language, race, religion, sexual orientation, and socio-economic status. You are expected to treat all members of the class with respect.

Religious Accommodation for Students. UNC Charlotte provides reasonable accommodations, including a minimum of two excused absences each academic year, for religious observances required by a student's religious practice or belief (see Policy #134, available on the Office of General Counsel web page). Such reasonable accommodations must be requested in accordance with the procedures in Policy #134, and include the opportunity for the student to make up any tests or other work missed due to an excused absence for a religious observance. It is the obligation of students to provide faculty with reasonable notice of the dates of religious observances on which they will be absent by submitting a [Request for Religious Accommodation Form](#) to their instructor prior to the census date for enrollment for a given semester (September 2, 2011 for the fall 2011 semester). A student who submits a Request for Religious Accommodation Form after the census date must show good cause for the late submission, and the late submission itself may be taken into account in determining whether the student has a religious practice or belief requiring accommodation and whether granting the request would create undue hardship.

Academic integrity. All UNC Charlotte students have the responsibility to be familiar with and to observe the requirements of The UNC Charlotte Code of Student Academic Integrity (see the Catalog). This Code forbids cheating, fabrication or falsification of information, multiple submission of academic work, plagiarism, abuse of academic materials (such as Library books on reserve), and complicity in academic dishonesty (helping others to violate the Code). Any further specific requirements or permission regarding academic integrity in this course will be stated by the instructor, and are also binding on the students in this course. Students who violate the Code can be punished to the extent of being permanently expelled from UNC Charlotte and having this fact recorded on their official transcripts. The normal penalty is zero credit on the work involving dishonesty and further substantial reduction of the course grade. In almost all cases, the course grade is reduced to "F." A copy of the Code is available online at <http://www.legal.uncc.edu/policies/ps-105.html>. Standards of academic integrity will be enforced in this course. Students are expected to report cases of academic dishonesty they become aware of to the course instructor who is responsible for dealing with them.

Three Attempts Policy. The Chemistry Department implemented a new policy regarding the number of times a student may attempt certain chemistry course beginning in Spring 2011. The new policy states that "Students may attempt CHEM 1251, 1251L, 1252, 1252L, 2131, 2131L, 2132, and 2132L a total of three times each. Withdrawing from the course after the Add/Drop deadline constitutes an attempt as does receiving any letter grade."