

SC 357 Organic Chemistry

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TEXTBOOK: Fundamentals of Organic Chemistry, 2011

OBJECTIVES:

This course is an introduction to basic principles of organic chemistry, with focus on nomenclature, structure and chemical reactivity of organic molecules. Upon completion students will be able to:

- Name organic compounds using current IUPAC guidelines
- Draw structures of major types of organic compounds
- Explain the composition and properties of functional groups
- Interpret stereochemistry and its effect on properties
- Identify and predict organic chemical reactions

TIMELINE:

Weeks 1 – 3	Structure & Nomenclature (Ch 1-2)
Weeks 4 – 7	Alkenes & Alkynes (Ch 3-4)
Weeks 8 – 10	Aromatic compounds (Ch 5-6)
Weeks 11 – 14	Halides & Alcohols (Ch 7-8)
Weeks 15 – 17	Aldehydes, ketone, carboxylic acids (Ch 9-10)
Week 18	Exam Review

SEMESTER EXAMS May 16 – 19, 2018

Contents and schedule may change as needed; students will be notified in class of any changes.

ASSIGNMENTS:

Homework: 10-20 points
Quiz: 25 points (announced or unannounced)
Lab: 50 – 100 points (formal reports beginning with Lab 3)
Unit test: 100 points (announced at least one week in advance)

ASSESSMENT:

<u>Nine Weeks Average</u>		<u>Semester Average</u>	
Homework	10%	Nine weeks averages	40%
Quizzes	20%	Semester exam	20%
Lab work	20%		
Unit tests	50%		

LATE PENALTY:

In general, late homework is not accepted; however, exceptions may be granted for extenuating circumstances. Please speak with your instructor directly. Other out-of-class assignments, such as lab reports or projects, will be accepted with penalties outlined below. All late work must be submitted directly to the instructor.

Work turned in before 4:00 pm one day after due:	-25%
Work turned in before 4:00 pm two to seven days after due:	-50%
Work turned in more than seven days late or late homework:	-100%

At the end of the grading term (nine week period or semester), any and all work must be submitted for grading on or before the last regular class day, regardless of usual late penalties, unless otherwise specified in writing. Any work received after this deadline will not be scored and will result in no credit.

ATTENDANCE/ABSENCE:

Roll is taken every day, and the Student Handbook guidelines will be followed in dealing with absences. All discussions of missed work should occur outside of regular class time (office hours, between classes, during lunch, etc.).

In the case of planned absences, students should make arrangements to complete assignments *prior to the absence*, in accordance with the Student Handbook. Failure to make arrangements prior to planned absences will result in a 20% deduction on all graded work. In the event that a student is unexpectedly absent, he/she should make arrangements to complete any missed assignments *immediately upon return*. Failure to do so will result in a minimum 20% deduction on all graded work.

Any assignment missed due to absence that has not been completed and submitted within a reasonable time frame (usually the number of days missed), will not be accepted. This includes any and all written work. If you do not make up your missed work within the time scheduled, you will receive no credit (0%) for any missed assignments.

EXPECTATIONS:

- **READ** assignments before coming to class! This class will be DISCUSSION based, not lecture.
- **NO LAPTOPS** may be used in class for notes—drawing structures is not possible with word processing software.
- **Appropriate dress for lab** (lab coat, long pants, shoes that cover feet). Students not dressed appropriately for lab work will be sent to change, and point penalty applied.

SUPPLIES:

- Textbook & Notebook (loose leaf recommended)
- Lab coat
- (**suggested**) Composition Notebook for homework

LABORATORY WORK:

Lab reports are due on the Friday after the lab is complete unless otherwise announced. Lab report guidelines will be provided and should be referred to often. Safety is stressed with instruction and printed safety procedures. Verbal warnings given for minor violations. Lab dress includes lab coat, long pants, socks and/or shoes that cover feet. Goggles will be worn over the eyes every day, and gloves will be provided as needed. Repeated safety violations may result in expulsion from lab period and a lab grade of 0.

ACADEMIC HONESTY:

Academic honesty is expected from every student. Students should never claim as his/her own work any work or knowledge from another person.

PLEASE REFRAIN FROM:

- Copying another student's lab report, homework or any other assignment. Lab partners' data should be the same, but *summary and answers to questions SHOULD NOT be the same*.
- COPYING/PASTING from any website
- Using notes or another person's answers on a test.
- DISCUSSING information about a quiz or test with other students.

Violations of academic honesty policy will be referred to the Director of Academic Affairs.