

Syllabus: Chem 243, Organic Chemistry I

Spring 2018

Instructor: Prof. Tamara Gund

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Office Hours: T 2:30-3:30 and Th 11:30 to 12:30 If you cannot make those hours other times can be arranged by appointment

Textbook: Organic Chemistry, 9th edition by Wade

The textbook is packaged with a study guide and molecular modeling software with workbook.

An inexpensive set of molecular models is highly recommended and models cannot be used during exams.

Material to be covered and tentative exam dates:

Chapter 1: Structure and Bonding

Chapter 2: Acids and Bases: Functional Groups

Chapter 3: Structure and Stereochemistry of Alkanes

Exam 1: February 15, 2018

Chapter 4: The Study of Chemical Reactions

Chapter 5: Stereochemistry

Chapter 6: Alkyl Halide, Nucleophilic Substitution

Exam 2: March 22, 2018

Chapter 7: Structure and Synthesis of Alkenes: Elimination

Chapter 8: Reactions of Alkenes

Chapter 9: Alkynes

Exam 3: April 12, 2018

Chapter 10: Structure and Synthesis of Alcohols

Chapter 11: Reactions of Alcohols

Chapter 12: Infrared Spectroscopy and Mass spectrometry (If time permits)

The final exam will be cumulative. Before each Exam there will be a Quiz which covers one or two chapters. Take the Quizzes seriously as they add up to one Exam grade. There may be a fourth quiz depending on time. If there is a fourth quiz one quiz will be dropped.

Problems in the body of the chapter are assigned and selected problems at the end of the chapter. These will not be collected. You have answers to these problems. To do well in the course it is important to do these problems.

The grade will be determined from a total of 400 points.. 100 points will be dropped from the total of 500 points.. Either the quizzes (100 points) or the lowest of the three exams will be dropped. Makeup exams are not encouraged and will be given if you have a valid excuse or a doctor's note. If you must miss an exam contact me before the exam or immediately after. Makeups will be given at specified times. Makeup should be taken within the first week of the exam and before exams are given back.

The final exam will not be dropped.

Attendance is required and will be taken into consideration when grades are computed.