

Chem 209
Elementary Organic Chemistry - Fall 2016
Mon, Thurs 12:35 AM - 1:55 PM
Hickman 101 DC

Dr. EMMANUEL HOVE

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Office hours: Mondays, 3-4pm. WL 126 ; also after class and by appointment. Special office hours and review sessions on DC will also be announced.

Text: *Organic Chemistry. A Short Course*, 13th Edition, 2012, by Hart, Craine, Hart, and Hadad

Recommended: Study Guide and Solutions Manual for the text, Molecular Modeling Kit, and computer access (for using the course website)

Grading:

2 exams, 60-80 points each

3-4 in-class, unannounced and open-ended questions quizzes: 20 points each

Multiple-choice questions lecture quizzes, 4-6 points each (total 30-40 points)

Cumulative final exam, 120-160 points

Chapter coverage and assigned problems: Shown on the next page. The section coverage is tentative and may be modified slightly as the semester progresses. All the in-chapter problems and the assigned (but not graded) additional problems and should be worked as we begin each chapter. Answers are available in your Solutions Manual. Quizzes (unannounced) and exams will contain some questions very similar to the assigned and in-chapter problems. Additional practice problems will be posted on sakai's resources section.

Attendance: Lecture attendance will not be monitored but students are responsible for lecture material and announcements and for in-class unannounced quizzes. There will be no make-ups for quizzes or hourly exams. Grades for any missed exams will be 0, or else prorated for documented and acceptable absences. Direct conflicts with university functions or religious holidays must be brought to my attention two weeks before the exam. Other absences must be reported online(<https://sims.rutgers.edu/ssra/>) to indicate the date and reason for your absence. Provide documented evidence to me, as soon as circumstances allow.

Academic integrity: University policies on academic integrity will be strictly enforced. See: <http://academicintegrity.rutgers.edu/integrity.shtml>. Please carry your Rutgers ID card at all times; ID cards will be checked during exams. Model kits but not calculators may be used during exams.

WEBSITE: We will be using sakai(URL:<http://sakai.rutgers.edu/>) as a classroom management system. You should check this site regularly. A number of documents will be posted on sakai. You will need a net ID. Under Resources on sakai, you will find a copy of the Fall 2016 syllabus,

Fall 2013 exams and quizzes, keys for the exams and quizzes you take, etc. Under Gradebook, you will find your quiz scores, exam scores and eventually your final grade. You can also find the syllabus and basic information at www.rutchem.rutgers.edu. Under the Undergraduate tab, click Fall 2015 courses and then click CHEM 209.

LECTURE NOTES: Lecture notes will be posted on the sakai website for this course, usually on the same day as the lecture.

Date	Topic	Chapter: Section	Problem Assignments
Sept. 8	Bonding and Isomerism	1: 1-9	32-42,44-47,49-51,54
Sept. 12		1: 10-18	
Sept. 15	Alkanes and Cycloalkanes	2: 1-11	26,27,29,30,32,34,37-43
Sept. 19	Alkenes and Alkynes	3: 1-10	36-41,46,48,53
Sept. 22		3: 11-15a	
Sept. 26, 29	Aromatic Compounds	4: 1-11	20,21,24,29,30,35-38
Oct. 3	Stereoisomerism	5: 1-11	26-28,31,36,38,44,50,52,53,56
Oct. 3	Exam I Review		Ch. 1-5
Oct. 6	Exam I		Covers Ch. 1-5
Oct. 10, 13	Organic Halogen Compounds	6: 1-8	11-13,18,22
Oct. 17, 20	Alcohols, Phenols, and Thiols	7: 1-12	28,29,32,34-42,44,46
Oct. 24	Ethers and Epoxides	8: 1-9	16-22,25,27,29,38
Oct. 27	Aldehydes and Ketones	9: 1-11	30,31,33-38,40,43-48
Oct. 31		9: 12-17	
Nov. 3	Carboxylic Acids & Derivatives	10: 1-8	37-40,44,45,49,54,55
Nov. 7		10: 9-18	
Nov. 10		10: 19-21	
Nov. 14	Amines and N-compounds	11: 1-5	24,25,27-29,34,35,40
Nov. 14	Exam II review(Ch. 6-11.5)		
Nov. 17	Exam II	Ch. 6-11.5	Covers Ch. 6-11.5
Nov. 21	Amines and N-compounds	11: 6-13	
Nov. 22	Spectroscopy	12: 1-2	19-21,23-25,27,32,33,35,36,38
Nov. 28		12: 3-6	42-44
Dec.1	Heterocyclic Compounds	13: 1-6	9,10,16,20
Dec. 5	Lipids and Detergents	15: 1-9	14,15,18,28
Dec. 8	Carbohydrates	16: 1-5	16,17,19,24,25,28-30,34,42,45
Dec. 12		16: 6-13	
Dec. 12	Catch up and review		
Dec. 15	Final Exam(IN-CLASS EXAM)	12-3PM	Covers Ch. 1-13,15,16

