CHM 2213 Spring 2013 Enhanced Organic Chemistry 2 (Chemistry Majors) Section 1297

Instructor: Dr. Jeffrey J. Keaffaber, Flint Hall 251, jjk@chem.ufl.edu

Required Text: Klein, David R. *Organic Chemistry*, 1st Edition (Wiley ISBN: 9780471756149).

Recommended: Klein, *Organic Chemistry Study Guide and Solutions Manual*, 1st Edition (Wiley ISBN: 9780471757399) and a molecular modeling set.

Advice: Please take your own set of notes. Use a composition book and actively draw structures presented in class. As you know from CHM 2212, drawing accurate structures, reactions, mechanisms, and syntheses is an art that must be mastered with practice. Be an active, critical thinker, and learner!

Lectures: MWF period 4 (10:40 – 11:30 AM) in LEI 207

Progress Exams: Exam 1 Friday, February 8th; Exam 2 Friday, March 22nd; and Exam 3 Friday, April 19th (all in class)

Final Exam: Exam Group 1D – Wednesday, May 1st 3:00 – 5:00 PM in LEI 207

Office Hours: MWF period 5-6 (11:45 AM – 1:40 PM) If these times don't work for you ask for an appointment.

Sakai: http://lss.at.ufl.edu/ for announcements, exam scores, and other content.

TA Office Hours: Two undergraduate TAs (Rachel and Bright) will be available for office hours in Flint 258, and these will be posted in an announcement on Sakai.

Exam Policy: Three 100 point mid-semester progress exams and one 100 point final exam will be administered. One of these progress exams may be dropped. If you miss an exam, it will be dropped. In extraordinary cases, notify the instructor in advance of the exam for a remedy. Please plan to be present at all exams.

Final Exam Opt-out: There will be more than 100 points possible on each progress exam. Students, who take all three exams and score 95 or higher, will be exempt from taking the final exam.

Practice Problems: All chapter problems should be attempted and solved completely. These make for great office hour discussions!

Attendance: This class is small, and it is essential to your undergraduate training. Please check in by email and stay in good communication if you have a planned or unexpected absence.

Etiquette: Cell/smart phone use is prohibited in class.

Expectations: Work smart and revisit practice problems until the solutions are mastered. The course covers an extensive amount of material, and it moves at a fast pace. Please do not get behind. Keep up with the course, and you will reap rewards. Try to allow three hours per day, six days a week or 18 total hours for productive study.

UF Transcript Grade Point Values:

4.00 A; 3.67 A-; 3.33 B+; 3.00 B; 2.67 B-; 2.33 C+; 2.00 C; 1.67 C-; 1.33 D+; 1.00 D; 0.67 D-

Student Honor Code

The UF Student Honor Code (see http://www.dso.ufl.edu/studentguide/ for details).

We the members of the University of Florida community pledge to hold ourselves and our peers to the highest standards of academic honesty and integrity.

On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment."*

Please not that violations of the Honor Code are taken seriously. Honor Code violations including copying on an exam and/or turning in an exam for re-grading that has been changed by a student since it was graded by the instructor.

Any student found responsible for an academic honesty violation in the course will automatically forfeit his/her right to the exam drop policy and will be recommended sanctions consistent with the offense.

Course Schedule

Dates	Chapters	Content/Topics
Jan 7-11	15	Mass Spectrometry (MS) and Infra-red (IR) Spectroscopy
Jan 14-18	16	Nuclear Magnetic Resonance (NMR) Spectroscopy
Jan 21-Feb 1	17	Conjugated Pi Systems / Pericyclic Reactions
Feb 4-8	18	Aromatic Compounds
Feb 8	**15-18**	**Progress Exam 1**
Feb 11-15	19	Aromatic Substitution Reactions
Feb 18-Mar 1	20	Aldehydes and Ketones
Mar 4-8		**Spring Break**
Mar 11-22	21	Carboxylic Acids and Their Derivatives
Mar 22	**15-21**	**Progress Exam 2**
Mar 25-Apr 12	22	The Alpha Carbon / Enols and Enolates
Apr 15-19	23	Amines
Apr 19	**15-23**	**Progress Exam 3**
Apr 22-24		Catch-up / Review
May 1		**Cumulative Final Exam 3:00 – 5:00 PM in LEI 207**