Organic Chemistry Part II – Tentative Syllabus
Chemistry 2041
Fall Semester 2014

Lecture: Tue. Thu. 8:00 am -9:20 am 502 Rievschl
Please see your schedule for recitation section location and time

Instructor: Dr. Daniel Waddell
Email/Phone: waddeldl@ucmail.uc.edu, (513) 556-5840
Office Hours: 508 Rievschl
Monday, Wednesday, Friday - 1:30-2:30 p.m.
Tuesday, Thursday – 9:30 – 11:00 a.m.

Required: 1) Book: "Organic Chemistry fourth ed. (Smith)
2) Connect online homework tool
3) PRS transponder – "clicker"

Course Objectives: This class is the second part of a two-course sequence. In this course, the student will learn about organic structure interpretation and the chemistry of aldehydes, ketones, carboxylic acids, aromatic systems, amines, carbohydrates, cycloadditions and lipids.

Tips for Success in this Course

1. Attend all lectures and recitation sections
2. Complete all assignments to the best of your ability – do not wait until just before the due date and rush to finish – work through as many practice problems as possible!
3. In addition to assigned work – complete as many practice problems from the book as time allows
4. Keep up to date with the material and ask questions as soon as they arise
5. The SIs, TAs, and I all want you to succeed in this course! Please ask for help before the exams and before you get too far behind. It is too late to change a grade after an assignment or exam has taken place.
6. Chemistry doesn't have to be boring – study with friends – make it a chemistry party!

My expectations

I will be honest with you and treat you with respect. I expect the same from you towards me and your fellow classmates.

Exams: Exams will be held during class periods and will be closed notes and closed book unless otherwise instructed. Exams will focus on material covered in class, on homework problems and material covered in the textbook.

Exam Dates: There will be two in-class exams scheduled for **September 23, 2014**, and **October 28, 2014**. The Final exam is scheduled for **December 11, 2014 8:00a- 10:00a**

Make-up Exams
I do not mind giving make-up exams. However! You ABSOLUTELY must notify me prior to the start of the scheduled examination (or in a reasonable time frame –usually within one week) in case of an emergency or you will receive a grade of zero.

Absences
You get 2 "free" absences from lecture and 2 dropped scores for recitation. With this in mind, there will generally not be makeups. If you miss a recitation or lecture, including those for legitimate reasons, you will simply use one of your "free" misses. If there are unique circumstances which will cause you to miss a large number of classes and recitations please meet with me before your absences and we can discuss your individual circumstances.

Homework: Homework will be assigned as describe on Connect. The assignments are due by the due date and are graded by Connect on the due date.

Academic Misconduct
In this course you are encouraged to study and prepare for examinations with other students. However, when taking exams, you are required to work alone. The University regulations are explicit about academic misconduct and cheating, and these regulations will be fully enforced. Students engaging in such misconduct may be brought up on charges as outlined in the student code of conduct. See http://www.uc.edu/Code_of_Conduct.html.

TA Office
The Chemistry TA Office is located in 508A Rieveschl. Teaching assistants will be available to help you learn to work problems and to answer questions during the times posted there. You may consult with any Organic Chemistry II TA present; it doesn't have to be your own. You are also encouraged to make use of the computer facilities in the Else Schulz Information Commons in the Chemistry-Biology library across from 502 Rieveschl.

Grading:
Attendance/clicker participation (2 "free" absences) – 8%
Online Homework – 10%
Recitation (2 lowest scores dropped) – 15%
Exam 1 – 21%
Exam 2 – 21%
Final Exam (Comprehensive) – 25%

The following scale will be used to determine your final grade:

		100–93%	A	92–90%	A–
89–87%	B+	86–80%	B	79–77%	B–
76–74%	C+	73–67%	C	66--64%	C–
63-61%	D+	60–54%	D	53-51%	D–
		<50%	F		

No extra credit assignments will be given at the end of the course.

Important Dates: Last Day to Drop with 100% refund: September 2
Last Day to Drop with 50% refund: September 8
Last Day to Withdraw: October 31

Tentative Schedule

Tentative Class Schedule:

	Tuesday, 8/26/14:	Introduction/Conjugated systems
Ch. 16	Thursday, 8/28/14:	Reactivity of conjugated systems
Ch. 16	Tuesday, 9/2/14	Benzene structure and the concept of aromatics
Ch. 17	Thursday, 9/4/14:	Concept of aromaticity (cont.), nomenclature
Ch 18	Tuesday, 9/9/14	Reactions of Aromatics (Substitution)
Ch 18.	Thursday, 9/11/14	Reactions of Aromatics (Substitution) continued
Ch 19	Tuesday, 9/16/14	Introduction to Carboxylic acids
Ch 19	Thursday, 9/18/14	Reactions with Carboxylic acids
	Tuesday, 9/23/14	**Exam I**
Ch 20	Thursday, 9/25/14	Introduction to carbonyl chemistry
Ch 20	Tuesday, 9/30/14	Reaction of carbonyl compounds with organometallics
Ch 21	Thursday, 10/2/14	Nucleophilic addition to aldehydes and ketones
Ch 21	Tuesday, 10/7/14	Nucleophilic addition to aldehydes and ketones cont.
	Thursday, 10/9/14	NO CLASS – Fall Reading Days
Ch 22	Tuesday, 10/14/14	Nucleophilic add. to carboxylic acids
Ch 22	Thursday,10/16/14	Nucleophilic add. to carboxylic acids
Ch 23	Tuesday, 10/21/14	Enolates
Ch 23	Thursday, 10/23/14	Enolates/Review
	Tuesday, 10/28/14	**Exam II**

Ch 24	Thursday, 10/30/14	carbonyl condensation reactions
Ch 25	Tuesday, 11/4/14	Amines
Ch 25	Thursday, 11/6/14	Amines
	Tuesday, 11/11/14	NO CLASS – Veterans' Day
Ch 26	Thursday, 11/13/14	Carbon-carbon bond forming reactions
Ch 27	Tuesday, 11/18/14	Pericyclic reactions
Ch 28	Thursday 11/20/14	Carbohydrates
Ch 29	Tuesday 11/25/14	Amino Acids/Proteins
	Thursday 11/27/14	No Class – Thanksgiving Holiday
Ch. 30/31	Tuesday 12/2/14	Lipids/Polymers
	Thursday 12/4/14	Review
	Thursday 12/11/14	Final Exam (Cumulative) – 8:00am-10:00am

Recitations:

You will meet with your TAs during recitation. Please come prepared to ask questions and work on a worksheet covering recent material. You should bring your book, calculator and any other resource you want. You will work through problems both individually and as groups. Your recitation grade will be based on your performance on the worksheet. Your lowest 2 recitation grades will be dropped.