

**Chemistry 264**  
**Organic Chemistry**

**Tentative Syllabus**  
**Summer 2009**  
**Department of Chemistry**  
**The University of Akron**

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Office Hours: As Posted

Materials:

1. "Organic Chemistry, 2<sup>nd</sup> Edition," J. Smith; 2008.
2. "Student Study Guide, Smith & Smith, 2008.

<u>Week Beginning</u>	<u>Chapter(s)</u>	<u>Topics</u>
6/22	11, 12, 16, 17	Alkynes; Oxidation & Reduction; Conjugation, Resonance and Dienes; Benzene & Aromatic Compounds
6/29	17, 18, 19	Benzene & Aromatic Cmpds; Electrophilic Aromatic Substitutions; Carboxylic Acids & Acidity of OH Bond
7/1	<b>Exam 1:</b> Chapters 11 – 18	
7/6	19, 20, 21	Carboxylic Acids; Intro to Carbonyl Chemistry; Aldehydes & Ketones
7/13	21, 22, 23	Aldehydes & Ketones; Carboxylic Acids & CA Derivatives; Alpha Substitutions of Carbonyl Compounds at Alpha Carbon
7/14	<b>Exam 2:</b> Chapters 18 – 22	
7/20	22, 23, 24	Alpha Substitutions of Carbonyl Compounds; Carbonyl Condensations Reactions; Amines
7/24	<b>Exam 3/Final Exam:</b> Chapters 22 – 24	

## GRADES

There will be three exams of ~200 to 250 pts each, the third of which will be somewhat cumulative. I will give make-up exams **ONLY** under extenuating circumstances, and **ONLY within one class day** of the originally scheduled exam. It is your responsibility to contact me if you miss an exam.

I will curve, and so these exams will be scaled to the class average which will be a C<sup>+</sup> (~77%). Therefore, if you find you are ~20% points above the class average, you are approximately in the A range (i.e., ~97%), ~10% points above the average will be in the B range (~86-88%), etc. You can compute your *approximate* average by dividing your point total by the total number of points, and then adding the curve to this value. I stress that this value is *approximate*, and **WILL** change as people drop the class through the semester.

I will curve, and so these exams will be scaled to the class average, which will be a C<sup>+</sup> (~76 – 77%). To get an idea how you stand in the class after each exam, take your grade and divide by the total points. If you find you are ~11% points above the class average, then you are approximately in the ~B+ range (i.e., ~87 – 88%), ~15% points above the average will be in the A- range (91 – 92%), etc. This scale is *approximate* and will give you an *idea* of how you did on each exam, and how (approximately) you are doing in the class. I stress that this value is *approximate*, and **WILL** change as people drop the class through the summer.

Grade Scale	Total Points (Scaled)
A	90-100
B	80-90
C	70-80
D	60-70

I will look at grading changes (mis-added exams, etc) on exams until the next exam only. After that point I will not change point values on any exam. In other words, I will look at Exam 1 issues until Exam 2, etc. I will not pass out the third exam after it has been graded, although you are welcome to come look at it with me in my office after it has been graded.

I will not tolerate cheating or any form of academic misconduct. There will be no cell-phones, iPods, etc in use or out during exams. I will confiscate your exam and report you to the Administration if I believe I have found someone guilty of academic misconduct.

Answer keys to Summer 2009 exams, as well as practice exams from Summer 2008, will be provided on my Research Group's web-page:

<http://gozips.uakron.edu/~dam8/Organic264.html>

Marlena Abrahams is a Learning Assistant who will be working with this class. She will be organizing study sessions, help sessions and tutoring. She took this class with me during the 2006-2007 year and did outstanding, and she was Prof. Taschner's Learning Assistant during the 2008-2009 year. She will sit in on this class so she knows exactly what we will cover, and she is **VERY** qualified to help you. PLEASE make use of her - she is part of this class *for your benefit!* Check it out!

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## **Final Suggestions**

If you wish to do well in this course, it is **ABSOLUTELY IMPERATIVE** that you stay current with the material. I suggest reading the assigned material before class, and studying your notes on a DAILY basis. Organic chemistry is highly *cumulative*. What you learn at the beginning of class is *ESSENTIAL* for understanding later material. Our exams will reflect this tendency, and you will be expected to understand material on prior exams as the class progresses -- in other words, you will probably see problems on exams that contain material from earlier exams.

Organic Chemistry II emphasizes reactions and mechanisms to a far greater extent than you saw during the first semester. To do well in this class you must practice constantly.

Since you are all taking this class in the summer, I strongly suggest studying organic for at LEAST a couple of hours EVERY day – this is a LOT of material to digest in 5 weeks. I would like to see you all do well and learn organic chemistry this summer -- please follow my suggestions and you will have a good one. Good luck!