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**Office Hours:** T 1:30-2:30 PM; W 1-2 PM. Th 1-2  
*Attendance at office hours is strongly encouraged!*

<b>Course Description</b>	This is a rigorous, one-semester overview of the structure, properties, and reactions of organic compounds, including polymers and biomolecules. This is the first half of a two-semester sequence in biochemistry. <u>The prerequisites</u> for this course are CHM 2046 or CHM2047 or CHM2051 and CHM 2046L, or the equivalent.
<b>Text</b>	“Organic Chemistry with a Biological Applications, 3 <sup>rd</sup> edition” by John McMurry. Also get the accompanying Study Guide and Solutions Manual. <u>I recommend</u> you purchase models: <a href="http://www.darlingmodels.com">www.darlingmodels.com</a> ; kit #1; \$24.00.
<b>Lecture</b>	T, Th, periods 2-3 (8:30-10:25) Turl L011.. This is a <u>fast paced</u> 4 credit course. Plan to attend all lectures. Needless to say: no personal electronics use or texting. We have a short break after the first hour in which you can reconnect or stretch.
<b>Attendance</b>	See UF policy: <a href="https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx">https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx</a> Make-up exams will ONLY be granted for absences consistent with UF policy. Military service, UF teams, serious illness, death. Documentation will be required. Please contact me if you know in advance about a pending absence and no matter what contact me within one day of an unanticipated absence. No makeups for a missed quiz. <b><u>You can drop the missed quiz.</u></b>
<b>Exams</b>	There will be 4 quizzes (33.3 points each) 3 hour exams (100 points each) and a final, in class, end of semester exam (100 points). Your lowest quiz grade, and your lowest of three hour exams will be dropped in calculating your grade, which will be based on a total of 400 possible course points.(You may not drop the final) Exams must be completed in pen; <b><u>no pencil, no whiteout!</u></b> (pencil is ineligible for re-grade)
<b>Grades/Grading</b>	The standard grading scale will apply (Equal to or above: 92=A; 90=A-; 86=B+; 81=B; 79=B-; 76=C+; 71=C; 69=C-; 65=D+; 61=D; 59=D-) The letter grade of A reflects exemplary work. Exams may be photocopied. Regrades require an explanatory note on the cover from you, and the entire exam will be regraded for accuracy. In some cases exams will be curved.
<b>Homework</b>	Work the problems found in your book! They will not be graded, but working these problems will greatly facilitate your understanding of the course material. (See “How to do well”, below)
<b>How to do well!</b>	<b>Organic chemistry is best learned through practice!</b> (Like a language) I cannot overemphasize how important it is to work as many problems as you can. Save any tough ones (showing your work) for me or a TA to look at and we will help you learn how to figure it out! <u>Active learning</u> is the name of the game, and just attending lecture and reading your text is a good start, <u>but not enough</u> . The active learner <u>practices</u> what they are learning, and when it is show-time, (e.g. a quiz or exam!) <u>you are ready!</u>

*"We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Honor Code. "*

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."*

**Approximate Semester Schedule (each date represents 2 class meetings!)**

<u>Date(s)</u>	<u>Chapter/Activity</u>	<u>Topic Area</u>
8/25	Ch 1 lecture	Structure & Bonding
8/27	Ch 1 & 2 lecture	Polar covalent bonds; Acids/Bases
9/1	Ch 2 lecture	
9/3	<b><u>Quiz 1</u></b> , Ch 3 lecture	Organic Compounds: Alkanes & Stereochemistry
9/8	Ch 3 & 4 lecture	Organic Compounds: Cycloalkanes & Stereochemistry
9/10	Ch 4 lecture	
9/15	Ch 5	Stereochemistry at Tetrahedral Centers
9/17	Ch 6., <b><u>Quiz 2</u></b>	An overview of Organic Reactions
9/22	Ch 7	Alkenes and Alkynes
9/24	Ch 7 lecture, <b><u>Exam 1</u></b>	
9/29	Ch 7 & 8 lecture	Reactions of Alkenes and alkynes
10/1	Ch 8 lecture	
10/6	Ch 9 lecture	Aromatic Compounds
10/8	Ch 9 lecture <b><u>Quiz 3</u></b>	
10/13	Ch 10 lecture	Structure Determination: Mass Spec and IR Spectroscopy
10/15	Ch 11 lecture	Structure Determination: Nuclear Magnetic Resonance
10/20	<b><u>Exam 2</u></b> Ch 12 lecture	Organohalides: Nucleophilic substitutions and eliminations
10/22	Ch 12 & 13 lecture	Alcohols, Phenols and Thiols: Ethers and Sulfides
10/27	Ch 13 lecture	
10/29	<b><u>Quiz 4</u></b> , Ch 14 lecture	Aldehydes and Ketones: Nucleophilic addition Reactions
11/3	Ch 14 lecture	
11/5	Ch 15 lecture	Carboxylic Acids & Nitriles
11/10	Ch16 lecture	Carboxylic acid derivatives: Nucleophilic acyl substitution
11/12	Ch 17 lecture	Carbonyl $\alpha$ -substitution and Condensation Reactions
11/17	<b><u>Exam 3</u></b>	
11/19	Ch 17 & 18 lecture	Amines and Heterocycles
11/24	Ch 18 lecture	
11/26	<i>Thanksgiving, No Class</i>	
12/1	(Readings to be assigned)	Polymer Chemistry
12/3	Time permitting	Mega-review!
12/8	<b><u>End of term exam</u></b> covers chapters 1-18	

**TAs:** [Charles Easterling](#) and [Mariko Maatsura](#); also Organic Chemistry Learning Center in Flint 258