

**CHEM 273**  
**Spring 2011**

Lecture: 9:30-10:20 MWF Bilger 152

Instructor: T. Hemscheidt  
Bilger 240

Office Hour: by appointment  
Fourth Hour: timing to be discussed in class

This is the second semester of the Sophomore organic chemistry sequence and a continuation of CHEM 272. As outlined in the attached schedule we will be discussing spectroscopic structure determination followed by the chemistry of dienes and of aromatic compounds, carbonyl addition and substitution reactions and lastly amines.

Grades will assigned on the basis of three hour exams held at roughly one month intervals and a cumulative Final Exam. The hour exams are worth 100 points each and the Final is worth 200 points. Make sure that you fit your schedule around the exams, **there will be no make-up exams. No exceptions, don't even ask!** Missing the Final will result in a grade of "F".

Grades will be assigned on a 500 point basis. Grade cutoffs will be no stricter than the following:

A	500-425
B	424-325
C	324-225
D	224-200

We will be using the Text "Organic Chemistry" 3<sup>rd</sup> edition by J.G. Smith. Copies of the third edition and the solution manual are on reserve in Sinclair. You can equally well use a copy of the second edition.

**Studying for CHEM 273:** It is important to not fall behind! If you fall behind by a chapter or two, you won't be able to catch up. It has been tried by others before and resulted in failure. Do the in-chapter problems as you go along and - *at a minimum*- do the suggested end-of-chapter problems to be distributed later.

It is important that you ask yourself what you have learned after you have done a problem. This is not assembly line work, so it is not a question of doing them in quantity, it is important to do them with quality!

It is important that you learn from your errors in your exams. It is ok to be wrong once, to repeat an error is not very smart. I will ask questions on important concepts repeatedly in different forms, so you get penalized repeatedly if you don't get with the program.

Any form of academic dishonesty will result in the assignment of a grade of “F” and the perpetrators will be turned in to Judicial Affairs.

Dates	Title	Chapter
01/10/11-01/19/11	MS & IR	13
01/21/11-01/31/11	NMR	14
02/02/11	Dienes	16
02/04/11	<b>Hour exam 1</b> (Chapter 13 & 14)	
02/07/11-02/09/11	Dienes (contd.)	16
02/11/11-02/18/11	Benzene & Aromatics	17
02/23/11-02/28/11	Electrophilic Aromatic Substitution	18
03/02/11	Carboxylic acids	19
03/04/11	<b>Hour exam 2</b> (Chapter 16,17,18)	
03/07/11-03/09/11	Carboxylic acids (Contd.)	19
03/14/11-03/18/11	Organometallics	20
	<b>Spring Break</b>	
03/28/11-04/04/11	Aldehydes/ketones	21
04/06/11	Nucleophil. Substitution	
04/08/11	<b>Hour exam 3</b> (Chapter 19,20,21)	
04/11/11-04/13/11	Nucleophil. Subst. (Contd.)	22
04/15/11-04/20/11	Enols and Enolates	23
04/25/11-04/29/11	Condensation Reactions	24
05/02/11-05/04/11	Amines	25
<b>05/13/11</b>	<b>TGIF</b>	