

**Syllabus--Chemistry 6227 FALL 2012**  
**Topics in Synthetic Organic Chemistry**

Course Taught: "Chiral and Enantioselective Synthesis"  
We will use the "Chemistry by Design" Website

Instructor: Dr. Eric Enholm 392-4582 214 Leigh

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Chemistry by Design located at:

<http://chemistrybydesign.oia.arizona.edu/>

Please go there and look around. There are 578 molecules to use

Class meets: First day of class is in Sisler 329, Tuesday, Period 3-4, August 28, 2012. First day will meet and greet only and set up schedule and review the syllabus. In the future, the first portion of period 5 will be used.

Office hours: see me anytime in 214 Leigh

Credits: 2

Text: no text, only website, handouts and class notes will be used.

Background: A semester of graduate level synthesis such as, CHM 6226 (prerequisite) should be taken prior to enrollment.

**Course Requirements:**

1. Attend all classes.
2. Attend the outside visitor's seminars in organic (to be announced on the first day of classes) on Thursday at seminar time.
3. Give one 60 min talk from the website (a total synthesis) during the class time. This should be 60 min talk + questions. A handout will be needed. I will do this so you can see it.

**Tentative Schedule of Lectures, CHM 6227, Fall 2012:**

<b><u>Name:</u></b>	<b><u>Synthesis</u></b>	<b><u>Date</u></b>
Enholm	introduction	Aug 2
No meeting	Labor Day Weekend	Sept. 4
Enholm	Synthesis	Sept. 11
Enholm	Synthesis	Sept. 18
		Sept. 25
		Oct. 2
		Oct. 9
		Oct. 16
		Oct. 23
		Oct. 30
		Nov. 6
		Nov. 13
		Nov. 20
		Nov. 27