

## CEM 850 Intermediate Organic Chemistry FALL 2008

- Lecturers:** Professors Baker, Borhan, Chang, Huang, Jackson, Maleczka, Odom, Smith, Tepe, Walker, and Wulff.
- Coordinator:** Kevin D. Walker 208 Chemistry, walker@chemistry.msu.edu  
phone 5-9715 ext. 257, Office Hours: by appointment
- Course TA:** **Ms. Atefeh Garzan**
- Class time:** Monday, Wednesday, and Friday 10:20 – 11:10 AM in **Rm 283**.  
Wed. 7–9 pm, room 329 Chemistry Building (recommended)
- Web-page:** **www.chemistry.msu.edu/courses/cem850/index.html**
- Texts:**
- 1) *Modern Organic Synthesis: An Introduction*, George S. Zweifel, Michael H. Nantz;
  - 2) *Organic Chemistry*, Jonathon Clayden, Nick Greeves, Stuart Warren, Peter Wothers (Oxford Univ. Press).

CEM 850 is a comprehensive survey of organic chemistry team-taught by faculty members with research interests in organic chemistry. The lectures will be structured around Zweifel and Nantz's *Modern Organic Synthesis: An Introduction*. Zweifel and Nantz take organic chemistry at the undergraduate level and add more depth in reaction chemistry and more importantly, synthetic strategy. The book is supported by *Organic Chemistry* (see above), a comprehensive undergraduate text that supplies the detailed mechanisms and "arrow pushing" that are not included in the Zweifel and Nantz book.

**Examinations.** Two 100 point in-term exams will be given during the semester in addition to a 200 point final exam at the end of the semester. The in-term exams will be given in early October and early November. The precise dates for the in-term and final exams will be announced later. No makeup exams will be given.

**Policy on Cheating:** Any student caught cheating will receive a grade of **0 for the course!** In addition, a letter describing the incident will be sent to the chairperson of the Chemistry department, as well as that student's Department Chair, College Dean, and each member of the chemistry faculty.

**Problem Sets:** No problem sets will be graded, however we strongly recommend you work every problem in Zweifel and Nantz, as well as those in the Clayden text.

**Supplemental Material:** All CEM 850 students need to attend the Wednesday evening organic meetings, held from 7–9 pm in room 329. At these gatherings we go over current and historic literature, present problem sets, and use the meeting as a tutorial for CEM 850. We will also invite the author of each month's cumulative exam to join us and discuss their test.

You may also find Professor Reusch's Virtual Textbook of Organic Chemistry (<http://www.cem.msu.edu/~reusch/VirtualText/title.htm>) and the associated interactive problems and tutorials helpful.

## CEM 850 - Planned lecture schedule

Date	Material covered	Lecturer
25 August	Introduction	Walker
<b>27 August</b>	Chapter 1	<b>Tepe</b>
<b>29 August</b>		<b>Tepe</b>
1 September	Federal Holiday (Univ. Closed)	no class
<b>3 September</b>		<b>Tepe</b>
<b>5 September</b>		<b>Tepe</b>
8 September	Chapter 2	Odom
10 September		Odom
<b>12 September</b>	Chapter 3	<b>Walker</b>
<b>15 September</b>		<b>Walker</b>
<b>17 September</b>		<b>Walker</b>
<b>19 September</b>		<b>Walker</b>
22 September	Chapter 4	Jackson
24 September		Jackson
26 September		Jackson
29 September		Jackson
<b>1 October</b>		<b>Chang</b>
<b>3 October</b>	Chapter 5	<b>Chang</b>
<b>6 October</b>		<b>Chang</b>
<b>8 October</b>		<b>Chang</b>
10 October		Huang
13 October		Huang
15 October	Chapter 6	Huang
17 October		Huang
<b>20 October</b>		<b>Maleczka</b>
<b>22 October</b>		<b>Maleczka</b>
<b>24 October</b>		<b>Maleczka</b>
<b>27 October</b>		<b>Maleczka</b>
29 October	Chapter 7	Wulff
31 October		Wulff
3 November		Wulff
5 November		Wulff
<b>7 November</b>		<b>Smith</b>
<b>10 November</b>		<b>Smith</b>
<b>12 November</b>		<b>Smith</b>
<b>14 November</b>		<b>Smith</b>
17 November	Chapter 8	Borhan
19 November		Borhan
21 November		Borhan
24 November		Borhan
<b>26 November</b>	Chapter 9	<b>Baker</b>
<b>1 December</b>		<b>Baker</b>
<b>3 December</b>		<b>Baker</b>
<b>5 December</b>		<b>Baker</b>

**FINAL EXAM will be comprehensive (date to be announced).**