Fall 2009
Chemistry 676
"Introduction to Synthesis: Methodology"

TTh 11:00-12:20 AM LSB 100

Professor John D. Chisholm

4-006 CST jdchisho@syr.edu 443-6894

Office Hours: By appointment, between 9 AM and 5 PM

Course Description: This course is designed to be an intensive survey of the chemical methods and strategies utilized in modern synthetic organic chemistry. Emphasis will be placed on functional group transformations and carbon-carbon bond forming reactions.

Grading:	3 Hour Exams (100 points ea)	300 pts
	Final Exam (150 points)	150 pts
	10 Problem Sets (35 points ea)	350 pts

Your grade will be based on your performance on the exams, problem sets and final exam. To earn a passing grade in the course (B) students must acheive 50% of the points in the course.

<u>If you are unable to make one of these exams please see Dr. Chisholm immediately.</u>

Problem Sets: Ten problem sets will be given during the semester. No problem sets will be due during an examination week. Problem sets are due at 5:00 PM in my mailbox in CST 1-014. Late problem sets will have 5 points deducted for every day they are turned in late. Please have late problem set initialed by one of the office staff to verify when they are turned in.

Text: Zweifel, George S.; Nantz, Michael H. "Modern Organic Synthesis: An Introduction." W. H. Freeman and Co. 2007 1st edition ISBN# 0716772663

You will also need a copy of the Aldrich chemical catalog, order one from www.sigmaaldrich.com (800-325-3010).

Reading Assignments: Sections of the textbook to be read will be assigned in class. Additional reading material from the primary literature will also be assigned.

If you require any special consideration or accommodation due to a disability please see Dr. Chisholm immediately.

Chem 676 Course Calendar

Fall 2009

Day	Date	Lecture/Exam	Chapter	Problem Sets
Tue	Sept 1	Lecture 1	1	
Thu	Sept 3	Lecture 2	6	PS-1 out
Tue	Sept 8	Lecture 3	6	
Thu	Sept 10	Lecture 4	6	PS-1 in; PS-2 out
Tue	Sept 15	Lecture 5	6	
Thu	Sept 17	Lecture 6	3	PS-2 in; PS-3 out
Tue	Sept 22	Lecture 7	3	
Thu	Sept 24	Lecture 8	3	PS-3 in
Tue	Sept 29	Lecture 9	4	
Thu	Oct 1	**Examination 1 (Ch. 1, 6, 3)**		PS-4 out
Tue	Oct 6	Lecture 10	4	
Thu	Oct 8	Lecture 11	4	PS-4 in; PS-5 out
Tue	Oct 13	Lecture 12	7	
Thu	Oct 15	Lecture 13	7	PS-5 in; PS-6 out
Tue	Oct 20	Lecture 14	7	
Thu	Oct 22	Lecture 15	7	PS-6 in
Tue	Oct 27	Lecture 16	7	
Thu	Oct 29	**Examination 2 (Ch. 4, 7)**		PS-7 out
Tue	Nov 3	Lecture 17	8	
Thu	Nov 5	Lecture 18	8	PS-7 in; PS-8 out
Tue	Nov 10	Lecture 19	8	
Thu	Nov 12	Lecture 20	8	PS-8 in; PS-9 out
Tue	Nov 17	Lecture 21	5	
Thu	Nov 19	Lecture 22	5	PS-9 in
Tue	Nov 24	Lecture 23	5	
Thu	Nov 26	**Thanksgiving (No Class)**		
Tue	Dec 1	**Examination 3 (Ch. 8, 5)**		PS-10 out
Thu	Dec 3	Lecture 24	9	
Tue	Dec 8	Lecture 25	9	PS-10 in
Thu	Dec 10	Lecture 26	9	
Thu	Dec 17	**Final Exam (2:45-4:45PM)**	**(Ch 1, 3-9)**	