

CHEM 633
Advanced Organic Chemistry: Physical
Fall 2009

Instructor: Mary Watson (237 BRL, 831-1529)

Office Hours: 5:45-7:00pm, Tuesday

Lectures: 4:30-5:45pm, TuTh, Ewing Hall Room 204

Website: <http://www.udel.edu/chem/mpwatson/Courses.html>

Textbooks: Author: Anslyn, Eric V. & Dougherty, Dennis A.
Title: Modern Physical Organic Chemistry
Publisher University Science Books
ISBN: 9781891389313
Edition: 2006
Required: yes

Author: Kirby, A.J.
Title: Stereoelectronics Effects
Publisher: Oxford University Press
ISBN: 9780198558934
Edition: 1996
Required: yes

Author: Carey, Frank A. and Sundberg, Richard J.
Title: Advanced Organic Chemistry/Part A: Structure & Mechanisms
Publisher: Springer
ISBN: 9780387448978
Edition: June 2007
Required: No
NOTE: This book also comes in paperback.

Author: Jensen, Frank
Title: Introduction to Computational Chemistry
Publisher: Wiley
ISBN: 978-0-470-01186-7
Required: No

Grades:

Homework (12 Problem Sets)	20%
Midterm #1 (10/1)	20%
Midterm #2 (10/29)	20%
Final Exam	40%

Problem sets will be distributed on Tuesday every week (except Midterm weeks). They will be due the following Tuesday before class. Detailed solutions will be posted on the class website and on the bulletin board outside Mary's office (237 BRL).

Late penalty for problem sets: 1 day, 50% off; 2 days, 75% off; more than 2 days, no credit. You may collaborate on the problem sets, but the work you submit should be your own.

Do not plagiarize. Any student who commits academic dishonesty will be punished according to the University of Delaware's guidelines (<http://www.udel.edu/stuguide/09-10/code.html#honesty>).

"The mind of man cannot conceive an effect without a cause, so that the sight of a phenomenon always awakens an idea of causation. All human knowledge is limited to working back from observed effects to their cause."

Claude Bernard,
*An Introduction
to the Study of
Experimental
Medicine*, 1865