Chemistry 561
Physical Organic Chemistry

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This course is a graduate level course in physical organic chemistry that covers physical aspects of Organic chemistry. The course will be held once a week rather than the 8-9 MWF slot so we can have more in-depth discussion and not be held to an hour time slot. There will be three exams with no final exam.

There is no formal text, but notes will act as a study guide. The course will be divided into the following parts:

Week of:	Topic
August 20	Introduction, Acid/Base Chemistry
August 27	Acid/Base Chemistry
September 3	Reaction Kinetics
September 10	Reaction Kinetics
September 17	Linear Free Energy Relationdhips
September 24	Migration to Electron Deficient Centers
October 1	Radical Reactions
October 8	Radical Reactions
October 15	Pericyclic Reactions
October 22	Pericyclic Reactions
October 29	Cycloaddition Reactions
November 5	Sigmatropic Reactions
November 12	Excited State Processes
November 19	Excited States and Quantum Yields
November 26	Major Photochemical Reactions

There will be three exams and no in class final.

Attendance

I am assuming that all students will be in class all days, unless arrangements are made prior to class. If you are giving a paper at an ACS Meeting, you must notify me two weeks prior to leaving for the meeting.

Class Participation

If you come to class and present no questions, I will assume that this is representative of your attitude about a graduate education. If you cannot answer questions, or make a reasonable attempt, I will also assume that that is a reflection of your interest in learning organic chemistry.