Syllabus - Chem 131B/231B

Professor R. Daniel Little (little@chem.ucsb.edu)

Prof. Little’s Office hour: Tuesdays, 3-4 pm and by appointment – room 3649C/D of PSBN

Department web page: http://www.chem.ucsb.edu
Class meets in PSB-N, room 4606. 8-8:50 am


Exams: two midterms of 100 points each (exam 1: Friday, January 25; exam 2: Friday, February 22) plus final exam (Friday, March 22, 8-11 am) worth 200 points

Holidays: 1/21 and 2/18
Instruction begins: Monday, January 7, 2002
Instruction ends: Friday, March 15, 2002

Major topics (25 lectures):
• Aspects of physical organic chemistry with focus upon orbital symmetry considerations (including electrocyclic, cycloaddition, sigmatropic and cheletrophic reactions, FMO theory with applications and non-concerted processes [radicals; diradicals; carbenes]);
• electrochemistry;
• thermal and photochemistry;
• synthesis (selected "complex" targets that illustrate application of the topics listed above).
• enzyme processes