Chemistry 460
Intermediate Organic Chemistry

Spring 2013

Class: 9:00 MWF, Venable G311

Instructor: Paul Kropp, C147C Kenan Labs (919 962–6294; kropp@unc.edu)

Office hours: See Announcements section on Sakai

Textbooks: Course Pack (Student Stores)

Web sites: sakai.unc.edu

Topics: We will review the fundamentals of Organic chemistry while exploring exciting cutting-edge topics, including:

1. Combinatorial Chemistry
2. Molecular Recognition
3. Self-Assembly and Self-Replication
4. Catalytic Antibodies
5. Dehydrobenzenes and Enediyne Antibiotics
6. Singlet Oxygen
7. Fullerenes
8. Dendrimers
9. Alternative Media
10. Catalysis

Grading: In lieu of hour exams there will be a series of problem assignments, which are to be done independently. (You may use class notes and the literature cited in them but consult no other sources or individuals except the instructor.) In addition you will make a 15–minute presentation on a topic of your choosing related to the course material.

Final exam: Monday, May 6 (Take-home; turn in at my office by 11:00 AM)