

CHEM 262L SUMMER SESSION II 2007: 1st meeting is Thursday, June 21, Chapman Hall at 1:15. We will meet, review and proceed to lab check-in. If you do not check in on the 21st, you will be dropped from the lab and immediately replaced with a student from the waiting list.

Instructor: Dr. B. Hogan, office: M205, phone: 962-4746, email: brian_hogan@unc.edu

Lab Director: Dr. H. Johns, office: M302, phone: 962-5571, email: hjohns@unc.edu

Required text:

1. Chem 262L 2006 Lab manual
2. Zubrick, *The organic chemistry lab survival manual*, 6th ed. The 5th (or even 4th) edition of this book can also be used; you can buy a copy together with several friends and share.

Safety: Please review the safety information in your lab manual. Lab glasses and closed-toe shoes are required to be worn in the lab at all times. You will be sent home to retrieve glasses/shoes if you forget them and you will lose points from your participation grade.

Attendance at lab is mandatory. **DO NOT MISS LAB. NO MAKE UPS DURING SUMMER SESSION!**

Grading:

10 Quizzes x 10 pts each. Your top 8 scores will count towards your final grade-- (80pts)
 Lab participation. 10 labs x 5pts/lab----- (50pts)
 NMR assignments. 3 NMRs, 10 pts each. Top 2 scores count towards grade----- (20pts)
 Final exam. 150 pts----- (150pts)
 Prelabs. 10 labs x 5pts/lab----- (50pts)
 Final lab writeups. 10 labs x 15pts each.----- (150pts)

Total points-----500 pts

Final grade assignments:

Final letter grade		Approx # students/section
A	Top 30%	6
A-	Next 5%	1
B+	Next 10%	2
B	Next 50%	10
B-	Up to the lowest 5%	variable
C+ (and lower)	At instructor's discretion.	variable

Lab notebook: A permanently bound notebook with a carbon second page is required. The prelab portion should be entered on a separate page, and the copy of this page will be collected at the beginning of each lab and evaluated (see grading above).

Schedule for Chem 262L experiments, Summer Session II 2007

- 6/21 Introduction, NMR review, and check in
- 6/26 Experiment I: Separation by Extration
- 6/27 Experiment II: Recrystallization techniques
- 6/28 Experiment V: Grinard Reaction
- 7/3 Experiment VI: Wittig Reaction
- 7/5 Experiment VII: Oxidation of isoborneol
- 7/10 Experiment III: Nucleophilic Substitution (NMR)
Experiment IV: Dehydration of 2-methylcyclohexanol
- 7/11 Experiment III: Nucleophilic Substitution (NMR)
Experiment IV: Dehydration of 2-methylcyclohexanol
- 7/12 Experiment VIII: Preparation of amides
- 7/17 Experiment IX: Electrophilic Aromatic Substitution
- 7/18 Experiment X: Column Chromatorgraphy
- 7/10 Check out, TA evaluations, Lab Exam (Chapman hall room 201 immediately following checkout)