

# CHEM 22500 – ORGANIC CHEMISTRY II

## Laboratory

**VERY IMPORTANT: STUDENTS REGISTERED FOR THIS LABORATORY COURSE MUST ALSO BE REGISTERED FOR THE ACCOMPANYING RECITATION – CHEM 22501! Recitation class attendance is mandatory for any student enrolled in the lab and a significant portion of the CHEM 22500 lab grade comes from exams & quizzes given in the recitation class!**

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## Welcome to CHEM 22500 Lab – Introduction & Common Policies

### COURSE DESCRIPTION & GRADING OVERVIEW

In addition to carrying out several organic syntheses you will identify functional groups in unknown compounds as well as separate and identify the compounds in an unknown binary mixture. These identifications will require the use of both chemical and spectroscopic methods. You will be required to consult other sources in addition to your laboratory text in this endeavor. In the synthesis experiments you may not be given the procedure in complete detail. You will incorporate information from the recitation and textbook to fill in the details and modify the procedure as needed before you enter the laboratory. You will have to plan your own allotment of time. In order to avoid falling behind you will have to carry out some (previously planned) reactions at the same time you are continuing work on earlier experiments.

The importance of studying the recitation material and applying what you have learned cannot be exaggerated. Don't let yourself become one of the disappointed students who receive a low grade in the entire course due to low scores on their recitation examinations.

Your grade will be assigned on a 1000 point scale which will be explained to you by your instructor. Your point total will be based upon recitation examinations, laboratory technique, the products you hand in, the organization of your work, your write-up of experiments, safe lab practices, cleanliness, and certainly on how well you have planned your work before hand and how well you understand the chemical processes occurring as you work. When you hold a flask in front of your instructor to ask him or her a question about the contents you must tell exactly what you put in the flask, and the exact sequence of operations you have carried out in arriving at that point. Don't expect your teacher to give you an answer (or even be nice to you!) unless you can intelligently discuss what you are doing.

**Projected letter grade cut-offs:** Grades will be based on the Hunter College grading scale.

A++:	97.5 - 100%
A+:	92.5 - 97.4 %
A-:	90 - 92.4 %
B+:	87.5 - 89.9%
B:	82.5 - 87.4%
B-:	80 - 82.4%

# Hunter College Organic Chemistry Lab Manual

**Clifford Lane**



## **Hunter College Organic Chemistry Lab Manual:**

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