

## Organic Chemistry Laboratory II

Chemistry 286

Section: LA03

Term: 2010 Spring

Instructor: Dr. U. Kreis/Dr. N. Merbouh

Discussion Topics: General Course Description:

The use of modern laboratory techniques in organic chemistry. The laboratory work has been chosen to complement the CHEM 282 lecture course.

0 lecture hours/week; 0 tutorial hour/week; 4 lab hours/week

Experiment - Topic

1\ox09Check-In and Identification of Unknowns

2\ox09Electrophilic Aromatic Substitution

3\ox09Synthesis of Lidocaine (2 weeks)

4\ox09Grignard Reaction and Diels Alder (2 weeks)

5\ox09Aldol Condensation

6\ox09Enamine Reaction (2 weeks)

7\ox09Synthesis of Sulcatol (2 weeks)

8\ox09Final Exam

9\ox09Poster Presentations

Grading: 45% Lab Reports, 10% Pre-lab, 15% Technique & Lab journal, 20% Midterm & Final Exam, 10% Poster Presentation

Required Texts: Zubrick, James W. The Organic Chemistry Lab Survival Manual. 7th Edition

Recommended Texts: None

Materials/Supplies: Safety glasses required.

Prerequisite/Corequisite: Prerequisite: CHEM 281. Corequisite: CHEM 282.

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Notes: PLEASE NOTE: CHEM 286 LABS BEGIN THE FIRST WEEK OF CLASSES

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