CHEMISTRY 245
EXPERIMENTAL ORGANIC CHEMISTRY

FALL SEMESTER 2009

DR. SALLY MALLORY

office: Room 443
phone: 898-5429
lab phone: 898-5312
e-mail: smallory@sas.upenn.edu
What we have to learn
we learn by doing.

.....Aristotle
$$! \text{EDUCATIONAL} \ $$!

![Smiley faces and symbols]

$\downarrow$

$\text{MD} \text{ PhD}$

$$$$
ENJOYABLE
CHEMISTRY 245

EXPERIMENTAL ORGANIC CHEMISTRY

pre-requisite: Chemistry 241

co-requisite: Chemistry 242
Things you will need for Chem 245:

Texts

Gilbert and Martin
"Experimental Organic Chemistry"

Zubrick
"The Organic Chem Lab Survival Manual"
Fifth Edition, 2001 OR
Sixth Edition, 2004 OR

Chem 245 Manual (at check-in)

Lab Notebook (at check-in)
I am presently registered in Chemistry 245 and I understand that the use of old reports, notebooks, and answer sets of students previously enrolled in an organic laboratory course is considered a serious violation of the Code of Academic Integrity, and can result in a failing grade in the course.

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Signature

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Date

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Name (printed)

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Penn ID #
CHEMISTRY 245

EXPERIMENTAL ORGANIC CHEMISTRY

GRADING

c.a. 132 students; 11 TA groups

Lab Report grades will be NORMALIZED.
Average Grade: B

A/A- grades: 30% max

NO OTHER QUOTAS!
CHEMISTRY 245
EXPERIMENTAL ORGANIC CHEMISTRY

Average Grade: B

30% Hour Exams

70% Lab performance Reports
Hour Exams

dates:

October 20

November 17

December 8


time/place:

Tuesdays, 12 noon, THIS ROOM

NO FINAL EXAM
SAFETY RULES !!

1. Eye protection always.

2. No food in the lab ever.

3. Lockers for your personal stuff: use them!!

4. Sensible dress.

5. Long hair? Tie it back.
UNDERSTAND WHAT YOU ARE DOING,

KNOW WHAT YOU WILL DO NEXT,

AND UNDERSTAND

WHY!!
The KEY
to success and happiness
in
Chem 245
is
PREPARATION !!
PREPARATION WILL MEAN:

1. Better grades.

2. Less time in lab.

3. Less hassle, less frustration.

4. More rewarding lab experience.

5. More chemistry learned.
HOW TO PREPARE

1. Read about it.
   G&M
   Manual
   Zubrick

2. Think about it.

3. Understand it!

4. Write a pre-lab.
Wednesday/Thursday

Experiment #1

Melting Points

and

Recrystallization
For Wednesday/Thursday

1. Be prepared;  
do the assigned reading.

2. THINK about the experiment;  
understand it.

3. Write up a pre-lab.

4. Come to lab READY to do chemistry.

5. Be organized;  
have a PLAN.

6. Ask questions;  
make us earn our $$$.