

Who's Who



Prof. Surita Bhatia

Dr. Mohammad Akhtar



Dr. Bradford Tooker



Ms. Lobna Kahek
Preparation & Stockroom



Teaching Assistants

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Course Requirements

First lab meeting will deal with safety and course organization. You must attend!!! See Blackboard.

Must acquire before second lab meeting:

CHEMISTRY 133 - Laboratory Manual
(Publ: Hayden-McNeil) 10th Edition



CHE 133 Supplies:

Prescribed Safety Goggles



Prescribed Lab Notebook



Towel

[Calculator]



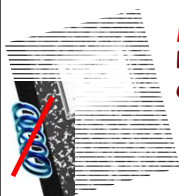
Chem Dept provides lab coats at no cost to students.

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Lab Notebook

**Not Spiral Bound,
Pre-numbered pages
Composition book,**

By
You



Lab notebooks must be used **ONLY**
to record data collection & analysis

Records must be kept in INK!

Line out errors! No White Out No Erasures



Notebook is for **real-time observations**,
not diary to be reconstructed from memory.

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Lab Notebook

Should be able to reconstruct **data sheets**
from notebook entries!!!!!!



**5 points out of each
exercise grade is
awarded for proper
use of notebook.**

Notebooks do not need to be neat.

Datasheets must have no corrections.

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What will we do?

Exercises NOT designed to demonstrate, confirm or verify principles

Activities that require your developing:

- Knowledge of Modern Terminology:
- Mastery of Modern Equipment
- Ideas, Concepts
- Powers of Observation
- Powers of Deduction
- Experimental Skills
- Arithmetic Skills

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What Contributes to Your Grade?

4	Preliminary Exercises	@ 50	200
2	Test Exercises	@100	200
1	Quizzes	@ 50	50
1	Comprehensive Quiz	@100	100
5	On-line Pre-labs	@ 10	50
3	On-line Virtual Labs	@ 50	150
	TOTAL		750

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GRADING, cont'd:

- **Preliminary exercises (50):**
 - quality of reported observations & analysis
 - neatness of datasheets
 - adherence to safety practices
 - proper use of lab notebooks
- **Test exercises (100):**
 - the above

PLUS

 - evidence of proficiency in technique, usually measured by **ACCURACY** & **PRECISION** in determining an **unknown**

Absence on any graded item results in 0

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Grading & Absences

Absences and make-up:

Unanticipated Absences:

Make up of exercise or quiz is not always possible. After-the-fact **written documentation** is required

Anticipated absences:

Must give **PRIOR NOTICE**
Reschedule depends on space availability

Excused absences are only those justified by a note from a doctor, lawyer, judge, etc.

Absence from 3 or more exercises will result in an F

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What Help is Available?

- Lecture Videos
- Lecture Notes
- Flow Charts
- Web Supplements
- Help Sessions
- Faculty Office Hours

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Help Sessions

TAs conduct help sessions,

Individualized meetings to help resolve questions or uncertainties about:

- Laboratory background & procedures
- Laboratory calculations
- Pre-laboratory questions

Help Room is 215 Grad Chem

Help Sessions are most useful
BEFORE you come to the laboratory
BUT

AFTER you have studied the relevant materials

Help Session Schedule will be distributed in lab

Web

Course Materials accessible on course website:

<http://www.ic.sunysb.edu/Class/che133/>

Includes:

- schedule/syllabus
- partial lecture notes for exercises
- flow charts for exercises
- links to brief lecture videos
- grading policies
- other good stuff

We use Blackboard for:

- important announcements and
- links to virtual labs and
- course grade information

The e-mail address we use to reach you is the one in Blackboard. Make sure you check that mailbox.

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<http://www.ic.sunysb.edu/Class/che133/>

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Important Web Pages

Course Web Page:

www.ic.sunysb.edu/Class/che133/

Schedule by Section:

www.ic.sunysb.edu/Class/che133/calendar.html

Grading Policy:

www.ic.sunysb.edu/Class/che133/grad133.html

Oscer - Pre-lab Exercises:

organic.cc.stonybrook.edu/

Make-up Policy:

www.ic.sunysb.edu/Class/che133/policies/make-up.html

Lecture Videos, Lecture Notes, Etc.:

www.ic.sunysb.edu/Class/che133/lectures/syllabus133.html

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Independence

You will often work in **pre-assigned groups**. **Each** partner must assume individual responsibility for what is done.

- A **common grade** is assigned for any **common RESULT** but not necessarily for overall exercise.
- Each submits an **INDIVIDUAL REPORT** with **independent** presentations and analyses of the observations.
- **Grades of team members may differ because of data format, clarity or completeness of report**

If in doubt about some aspect of the exercise, repeat measurements or observations yourself!

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ETHICAL STANDARDS

Honesty is the only acceptable policy

- Plagiarism (presenting others' work as yours)
- Unauthorized collaboration on exercises or quizzes
- Fabrication of data (*dry-lab-ing*)
- Removing quizzes from quiz room
- Taking a quiz in a section other than yours

are taken seriously and can result in **DISMISSAL**

If you are unsure about whether a particular practice is permissible,

Ask instructor BEFORE doing it

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Safety

Stony Brook takes safety very seriously and has an excellent record.

SAFETY = COMMON SENSE

2.8 Million people/yr involved in household accidents



People don't always exercise **common sense**

GLASS: Don't cut yourself. Use broom & dustpan available in each lab

HOT OBJECTS: Don't pick them up with bare hands

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Safety

SAFETY DEVICES: TA's will instruct you on the location and use of **safety equipment**, including:

safety showers,



fire extinguishers,

eyewash fountains,



CLOTHING: No open footwear;
No exposed skin other than arms and head.

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REAGENTS: while most are household materials, handle them in accordance with instructions. Take special note of hazard warnings.

EYES:



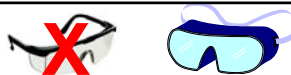
YOU MUST WEAR SAFETY GOGGLES IN THE LABORATORY AT ALL TIMES!

It is **your neighbor's** technique we are concerned with, not **yours**

As part of next week's exercise, you will be asked to read and sign a **SAFETY AGREEMENT**

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5.4 - Eye Protection



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For all general, all organic/inorganic chemistry instructional labs,
all persons in the laboratory must wear

chemical splash goggles, not safety glasses or spectacles,
at all times,
even when not performing a chemical operation.

It is the responsibility of each instructor to enforce this policy;
alternate forms of protection are not permitted.

Chem Dept CHP

5 point penalty for not wearing goggles

(20 points if observed by Safety Committee member)

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First Lab Meeting.

All sections meet during the first week!
Check **Blackboard** for the meeting time for
your section.

Before your Second Lab Meeting.

Read: (in lab manual)

SUSB-001 Course Policies

Read and sign the safety agreement

SUSB-003 Intro to Lab Measurement

SUPL-001 Analysis of Experimental Reliability

Complete and submit (on-line):

Oscer Pre-lab assignment on Measurement

<https://organic.cc.stonybrook.edu/>

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