This Pre-Lab Video

Where & when's the action? Will you be safe?
Who's who? What if you're absent?
What do you need to buy? Can you get by with a little help from your friends?
What are the house rules? Is there a course Web site?
How do you get help? What will you do for next week's lab meeting?
How do we grade?

The Schedule

First Week (8/26-28): All sections meet See Blackboard for times
First lab meeting deals with safety, distribution of lab coats, general orientation to facilities and schedule of activities. YOU MUST ATTEND.

Beginning the second week of the semester, sections will meet in lab alternate weeks (next slide).

In weeks when lab does not meet, you are assigned virtual laboratory exercises which you turn in for grading at the next laboratory meeting.

Floor Plan – 2nd Floor, (Chemistry)

Course Organization:

<table>
<thead>
<tr>
<th>Section</th>
<th>Group</th>
<th>Day</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>0n</td>
<td>α</td>
<td>Wed</td>
<td>10 AM – 1 PM</td>
<td>202 (A)</td>
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<tr>
<td>1n</td>
<td>β</td>
<td>Wed</td>
<td>10 AM – 1 PM</td>
<td>208 (D)</td>
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<tr>
<td>2n</td>
<td>α</td>
<td>Wed</td>
<td>2 PM – 5 PM</td>
<td>204 (B)</td>
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<tr>
<td>3n</td>
<td>β</td>
<td>Wed</td>
<td>2 PM – 5 PM</td>
<td>206 (C)</td>
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<tr>
<td>4n</td>
<td>α</td>
<td>Thu</td>
<td>10 AM – 1 PM</td>
<td>204 (B)</td>
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<tr>
<td>5n</td>
<td>β</td>
<td>Thu</td>
<td>10 AM – 1 PM</td>
<td>206 (C)</td>
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<tr>
<td>6n</td>
<td>α</td>
<td>Thu</td>
<td>2 PM – 5 PM</td>
<td>202 (A)</td>
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<td>7n</td>
<td>β</td>
<td>Thu</td>
<td>2 PM – 5 PM</td>
<td>203 (F)</td>
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<tr>
<td>8n</td>
<td>α</td>
<td>Fri</td>
<td>10 AM – 1 PM</td>
<td>208 (D)</td>
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<tr>
<td>9n</td>
<td>β</td>
<td>Fri</td>
<td>10 AM – 1 PM</td>
<td>206 (C)</td>
</tr>
</tbody>
</table>

After First Week!
Who's Who

Prof. Surita Bhatia
Dr. Mohammad Akhtar
Dr. Bradford Tooker
Ms. Lobna Kahek
Preparation & Stockroom
Teaching Assistants

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.

Lab Notebook

Not Spiral Bound,
Pre-numbered pages
Composition book,

Records must be kept in INK!

No White Out
No Erasures

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

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

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

Datasheets must have no corrections.

Lab Notebook

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

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

What Contributes to Your Grade?

<table>
<thead>
<tr>
<th>Exercise Type</th>
<th>Weight</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Exercises</td>
<td>@ 50</td>
<td>200</td>
</tr>
<tr>
<td>Test Exercises</td>
<td>@100</td>
<td>200</td>
</tr>
<tr>
<td>Quizzes</td>
<td>@ 50</td>
<td>50</td>
</tr>
<tr>
<td>Comprehensive Quiz</td>
<td>@100</td>
<td>100</td>
</tr>
<tr>
<td>On-line Pre-labs</td>
<td>@ 10</td>
<td>50</td>
</tr>
<tr>
<td>On-line Virtual Labs</td>
<td>@ 50</td>
<td>150</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>750</td>
</tr>
</tbody>
</table>
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

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

What Help is Available?

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

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.

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

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

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

**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**

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!
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. 5 point penalty for not wearing goggles (20 points if observed by Safety Committee member).

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/