

CHMY 122
Sections 104 & 105 (COT)
Fall 2009

INSTRUCTOR: Judy Bacon
OFFICE: COT HSCT 211
PHONE: 657-2031 (leave message with department administrative personnel)
E-MAIL: jbacon@msubillings.edu
OFFICE HOURS: Tuesday at COT 11:00 am - noon in HSCT 211
•This hour will be spent reviewing for quiz and preparing for lab

REQUIRED MATERIALS:

1. Lab Manual: "Laboratory Experiments for General, Organic and Biochemistry" 5th Ed. by Bettelheim and Landesberg
2. **SAFETY GOGGLES !!!** These are mandatory. You will not be permitted in lab without them.

COURSE OBJECTIVES:

1. To learn how to handle chemicals properly and safely.
2. To learn the techniques most commonly used in general chemistry.
3. To learn to read and interpret written experimental procedures.
4. To learn to organize and explain experimental data collected in the lab.

This laboratory course is designed to provide laboratory experiences that complement and extend the Chmy 121 (Introduction to General Chemistry) lecture material.

OUTCOMES ASSESSMENT:

1. **PRE-LAB QUESTION SHEET**
 - * Due at the **beginning** of each lab session
 - * Worth 10 points per sheet
2. **REPORT SHEETS**
 - * Due **BEFORE LEAVING LAB**
 - * Worth 30 points per sheet
3. **WEEKLY QUIZZES**
 - * Comprised of information on previous week's Post-lab Questions
 - * Worth 10 points per quiz
4. **COMPREHENSIVE LAB FINAL**
 - * **Tuesday, December 8th**, during regularly scheduled lab period
 - * Worth 90 points

Special note: POST-LAB QUESTIONS

- * Not graded, but completion is **strongly recommended** as a study tool for weekly quizzes

GRADING SCALE:

A	94 - 100 %	B+	87 - 89 %	C+	77 - 79 %	D+	67 - 69 %	F	Below 60 %
A-	90 - 93 %	B	83 - 86 %	C	73 - 76 %	D	63 - 66 %		
		B-	80 - 82 %	C-	70 - 72 %	D-	60 - 62 %		

LAB SCHEDULE

FALL 2009 COT

*** There are NO MAKE-UP LABS. A missed lab will result a in zero for that lab.**

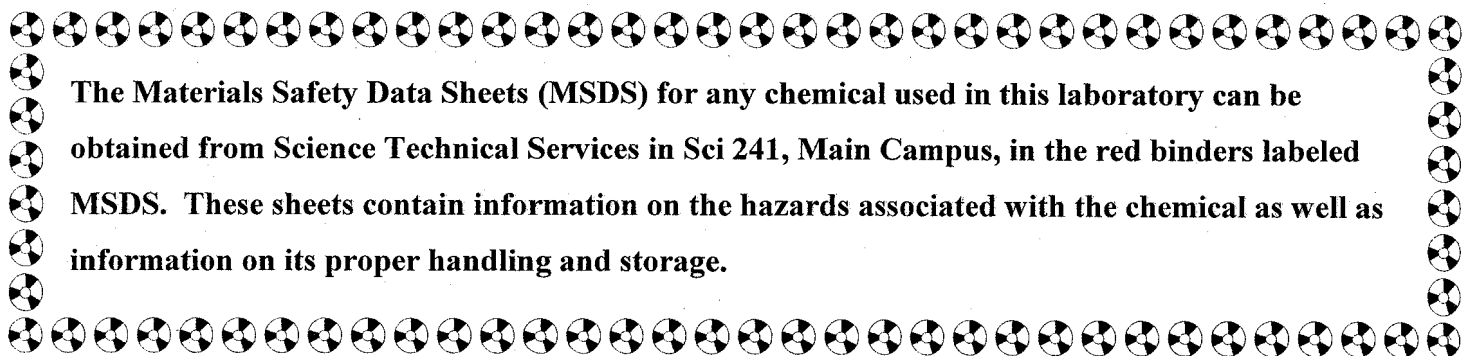
<u>DATE</u>	<u>EXPERIMENT #</u>	<u>DESCRIPTION</u>
SEPT 15		Introduction to course and MANDATORY check-in
SEPT 22	2	Laboratory Measurements
SEPT 29	3	Density Determination
OCT 6	4	The Separation of the Components of a Mixture
OCT 13	Handout (ONLINE)	Molecular Geometry http://www.msubillings.edu/sciencefaculty/handouts/Fall%202008/Bacon/Chem%20105/Chem%20105%20jb%20molecular%20geom%20handout0001 .
OCT 20	7	Determination of the Formula of a Metal Oxide <i>* Read Experiment 6 "Background" section</i>
OCT 27		No Lab, time to prepare on your own for Chmy 121 Exam #3
NOV 3	8	Classes of Chemical Reactions
NOV 10	14	Properties of Gases: Determination of the Molecular Weight of a Volatile Liquid
NOV 17	16	Solubility and Solution
NOV 24	19	Factors Affecting Rate of Reactions
DEC 1	22	Analysis of Vinegar by Titration
DEC 8		Lab Final and Check-out (<i>During regular lab times</i>)

*** You must check-out of your lab drawer. Failure to do so will result in a \$20 check-out fee.**

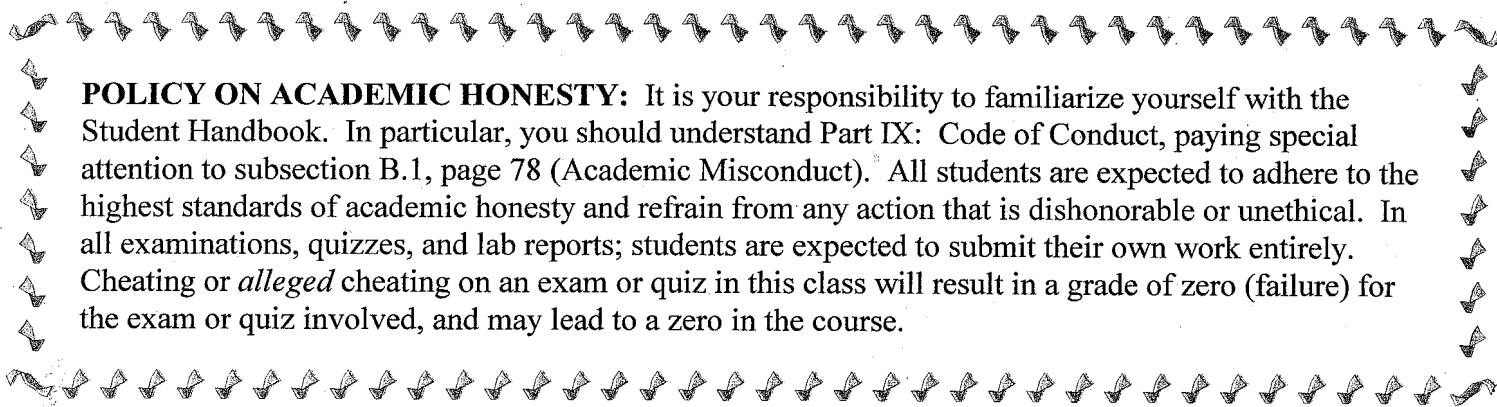
*** Loss of lab drawer key will result in a \$20 replacement fee.**

Students with disabilities, whether physical, learning, or psychological, who believe that they may need accommodations in this class, are encouraged to contact Disability Support Services (DSS) as soon as possible to ensure that such accommodations are implemented in a timely fashion. Please meet with DSS staff to verify your eligibility for any classroom accommodations and for academic assistance related to your disability. Disability Support Services is located in the Academic Support Center.

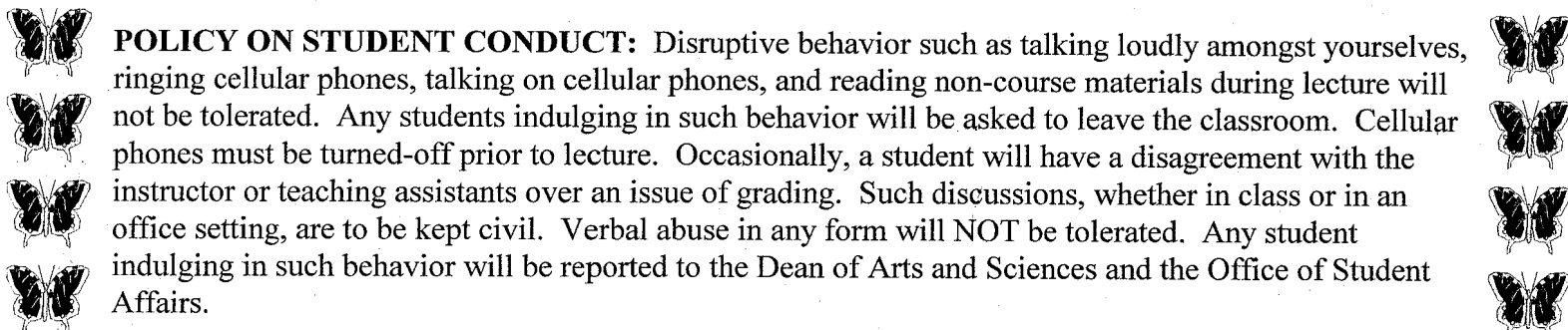
- COT, 247-3029 (voice/tty/video phone) 8:30 a.m. - 3 p.m.
- Main Campus, 657-2283 (voice/tty) and 657-2159 (voice/tty/video phone) 8 a.m. - 5 p.m.



The Materials Safety Data Sheets (MSDS) for any chemical used in this laboratory can be obtained from Science Technical Services in Sci 241, Main Campus, in the red binders labeled MSDS. These sheets contain information on the hazards associated with the chemical as well as information on its proper handling and storage.



POLICY ON ACADEMIC HONESTY: It is your responsibility to familiarize yourself with the Student Handbook. In particular, you should understand Part IX: Code of Conduct, paying special attention to subsection B.1, page 78 (Academic Misconduct). All students are expected to adhere to the highest standards of academic honesty and refrain from any action that is dishonorable or unethical. In all examinations, quizzes, and lab reports; students are expected to submit their own work entirely. Cheating or *alleged* cheating on an exam or quiz in this class will result in a grade of zero (failure) for the exam or quiz involved, and may lead to a zero in the course.



POLICY ON STUDENT CONDUCT: Disruptive behavior such as talking loudly amongst yourselves, ringing cellular phones, talking on cellular phones, and reading non-course materials during lecture will not be tolerated. Any students indulging in such behavior will be asked to leave the classroom. Cellular phones must be turned-off prior to lecture. Occasionally, a student will have a disagreement with the instructor or teaching assistants over an issue of grading. Such discussions, whether in class or in an office setting, are to be kept civil. Verbal abuse in any form will NOT be tolerated. Any student indulging in such behavior will be reported to the Dean of Arts and Sciences and the Office of Student Affairs.