

FD'02

CHAMINADE UNIVERSITY
CH 203L GENERAL AND ANALYTICAL CHEMISTRY LAB I
Fall Semester 2002

Lab Sections: Henry Hall 44

01 Th 2:00-4:50 PM
02 Tu 2:00-4:50 PM
03 Th 8:00-10:50 AM

Instructor: Janet Jensen

Office: Henry Hall 24

Phone: 735-4858

email: jjensen@chaminade.edu

Office Hours: MWF 10-11 AM,
TuTh 1-2 PM, or by appointment

Required Materials:

- scientific calculator
- safety glasses and covered footwear
- composition style notebook
- gloves (optional)
- lab coat (recommended)

Course Description and Objectives:

CH 203L is a one-credit laboratory course that accompanies the CH 203 lecture course. Students will perform experiments in the lab both individually and with partners. There will be class discussion on the theory, the techniques used and the expected results of each experiment. The purpose of this course is that the students will develop practical lab skills and will be able to observe many of the principles discussed in lecture.

Grading:

The course grade will be based on laboratory reports (65%), pre-lab assignments (10%), quizzes (20%) and attendance (5%). The lab reports will be evaluated for completion and accuracy of the information required. There will be five quizzes given over the semester; the material covered on each will be announced in class.

The following grading scale will be used to determine the final grades:

A 90-100% B 80-89% C 65-79% D 40-64% Fail below 40%

Attendance:

If a student is absent for a scheduled lab, it may be possible to attend another section in order to perform the experiment. It is the student's responsibility to contact the instructor so that arrangements can be made. If no attempt is made to make up the missed work, a score of zero will be given for that experiment.

CH 203L Schedule of Experiments Fall 2002

WEEK/ DATES	EXPERIMENT
1 8/27, 8/29	Lab check-in, Safety
2 9/3, 9/5	Density Determinations
3 9/10, 9/12	Paper Chromatography
4 9/17, 9/19	Separation of a Mixture, Quiz #1
5 9/24, 9/26	Empirical Formula of a Compound
6 10/1, 10/3	Hydrates
7 10/8, 10/10	Inorganic Nomenclature, Quiz #2
8 10/15, 10/17	Reactions in Solutions
9 10/22, 10/24	Determination of Gas Constant, Quiz #3
10 10/29, 10/31	Calorimetry
11 11/5, 11/7	Flame Tests, Spectroscopy, Quiz #4
12 11/12, 11/14	Absorption Spectrum of Cobalt(II) Chloride
13 11/19, 11/21	Molecular Shapes and Structures
14 11/26	To be announced
15 12/3, 12/5	Quiz #5

Any changes will be announced in class.

Copies of the experimental procedures will be handed out in class prior to the scheduled lab dates.