

CHAMINADE UNIVERSITY OF HONOLULU
GENERAL AND ANALYTICAL CHEMISTRY LABORATORY II
CH 204L Spring Semester 2003

Lab Sections:	01	TuTh 8:00-10:50 am	Henry Hall 44 cancelled
	02	TuTh 2:00-4:50 pm	Henry Hall 44
	03	MW 2:00-4:50 pm	Henry Hall 44

Instructor: Janet Jensen

Office: Henry Hall 24

Phone: 735-4858

email: jjensen@chaminade.edu

Office Hours: MWF 9:30-10:30 am, TuTh 12:00-1:00 pm, or by appointment

Required Materials:

- scientific calculator
- safety glasses and covered footwear
- composition style notebook
- three-ring binder
- gloves (optional)

Course Description and Objectives:

This laboratory course accompanies the CH 204 lecture course and is a continuation of CH 203L. Students will perform experiments in the lab with class discussion of the techniques used and the expected results. The purpose of this course is to continue the development of the students' laboratory skills and to utilize these methods in the analysis of several unknown samples.

Grading:

The course grade will be based on laboratory reports (60%), quizzes (25%), laboratory notebook (10%) and attendance (5%). The lab reports will be evaluated for completion and accuracy of the information required. There will be four quizzes given over the semester; the dates and the material covered 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 lab section in order to perform the experiment. It is the student's responsibility to contact the instructor so 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.

Tentative CH 204L Schedule

Spring 2003

Date	Experiment
Jan 13, 14	Lab check-in
Jan 15, 16	EDTA Titration of Ca/Mg in Limestone
Jan 21	To be announced
Jan 22, 23	EDTA Titration continued
Jan 27, 28	Gravimetric Determination of Chloride
Jan 29, 30	Chloride Determination continued
Feb 3, 4	Chloride Determination continued
Feb 5, 6	Molecular Geometry
Feb 10, 11	Quiz # 1, Formula of a Complex Ion
Feb 12, 13	Ion Formula continued
Feb 18	To be announced
Feb 19, 20	Spectrophotometric Determination of Mn in Steel
Feb 24, 25	Mn in Steel continued
Feb 26, 27	Mn in Steel continued
Mar 3, 4	Bleach and Bromocresol Green
Mar 5, 6	Hydrolysis of Ethyl Acetate
Mar 10, 11	Hydrolysis continued
Mar 12, 13	Quiz # 2, Hydrolysis continued
Mar 17, 18	Chemical Equilibria
Mar 19, 20	Chemical Equilibria continued
Mar 24-28	Spring Break
Mar 31, Apr 1	pH Titration of an Amino Acid
Apr 2, 3	pH Titration continued
Apr 7, 8	pH Titration continued
Apr 9, 10	Quiz # 3, pH Titration continued
Apr 14, 15	Redox Reactions
Apr 16, 17	Redox continued
Apr 21, 22	Coordination Chemistry
Apr 23, 24	Coordination Chemistry
Apr 28, 29	To be announced
Apr 30, May 1	Quiz # 4