

Course Title: College Chemistry Lab 103L
Term: Fall 2001
Time: Saturday 800 - 1210
Location: Chaminade Main Campus Henry Hall
Instructor: Ada Tomosada

Lab Manual:

There is no lab manual. **Handouts** will be provided by the instructor.

Objectives:

Together with Chemistry 103 **lecture section**, the lab section is designed to **enhance** your **understanding** of scientific methods and **concepts**. **Experimental** work brings a practical understanding of chemistry and hands-on **experience** in different **techniques**.

Safety Requirements:

Students are required to practice **safety** precautions such as wearing safety glasses **while** performing experiments. Also covered **shoes** are required, and long pants is **recommended**. Hair must be **tied back away from the face**. It is suggested that the student wear very casual attire **since clothing** is easily soiled during laboratory work.

Only registered students will be **allowed in the laboratory**.

There will be ten **experiments** performed and therefore ten lab reports to be handed in. (Lab reports **are to be handed in** on the following lab meeting.) A quiz **will** be given at the beginning of each lab session starting on April 14. (the second lab meeting) **This quiz** will cover the **experiment** done the previous **week**. A final **exam** will be given on the **last** lab meeting covering **all** material.

Grading breakdown is as follows: **40% lab participation** and reports, 25% lab **quizzes**, 15% attitude (following safety **requirements**, etc. 20% **final exam**. **Make-up** labs **will** be offered with valid excuse.

Tentative Lab Schedule:

Week 1	Introduction to Measurements
Week 2	A Graphic Experience
Week 3	Significant Figures
Week 4	Empirical Formula
Week 5	Stoichiometry
Week 6	Conservation of Matter
Week 7	Spectrophotometry
Week 8	Physical and Chemical Properties
Week 9	Acid - Base Titration
Week 10	Final Exam

Thanksgiving weekend no lab

Course **Title:** **College** Chemistry 103

Term: Fall 2001

Location: Pearl Harbor

Tune: M W 7:0 - **9:** 0 p.m.

Instructor: Ada Tomosada

Communications: **telephone** 7349424
pager 680 2802 (Phone # 10360)

Textbook: Principles and **Applications** of Inorganic, **Organic** & Biological Chemistry
Caret, Denniston, and Topping, 1997

Course Description:

College Chemistry 103 is an introductory course for students who may be **interested** in continuing their education in the sciences or **other technological** fields. The **course lecture** along **with laboratory** work is a step by step procedure in introducing science **methods** and concepts to the **student** who **has little** or no **chemistry background**.

Course Objectives:

This course is designed to **familiarize** you with the concepts of chemistry that may be used as a basis for other more intensive courses in the science field.

The course will cover the **first ten chapters of the textbook**.

Course Requirements:

Scientific **calculator** is **required**. **Concurrent enrollment** in Chemistry 103L, and high **school algebra** is recommended.

Only **registered students** will be allowed to attend **classes**.

Grading:

A **quiz will** be given **after each chapter**. (Usually on Wednesday) Homework **assignments** will be given, and **should be done** in preparation for **quizzes**. A **final** exam will be given on **the** last day of class. **Calculators** are allowed during quizzes and **final exam**. AU work **must** be shown on paper for **quizzes** and **final exam**.

Grading breakdown is as **follows**: 55% quizzes, 35% **final** exam, **10% attendance** and **attitude**. Letter grades **will** be **assigned according** to a class **curve**.

Tentative Class Timetable:

Week 1	Chapter 1 Chemistry Methods and Measurements Chapter 2 The Structure of the Atom
Week 2	Chapter 2 The Structure of the Atom (quiz Chapt 1)
Week 3	Chapter 3 Elements, Atoms and the Periodic Table (quiz Chapt 2)
Week 4	Chapter 4 Structure and Properties of Ionic and Covalent Compounds (quiz Chapt 3)
Week 5	Chapter 5 Calculations and the Chemical Equation (quiz Chapt 4)
Week 6	Chapter 6 States of Matter (quiz Chapt 5)
Week 7	Chapter 7 Reactions and Solutions (quiz Chapt 6)
Week 8	Chapter 8 Chemical and Physical Change (quiz Chapt 7)
Week 9	Chapter 9 Charge-Transfer Reactions (quiz Chapt 8)
Week 10	Chapter 10 Radioactivity and Nuclear Medicine (quiz Chapt 9)
Week 11	Final Exam