Course Title: **College Chemistry Lab 103L3D**

Term: **Spring 1999**

Time: **Saturday 800 - 1210**

Location: Chaminade **Main Campus** Henry **Hall**

Instructor: **Ada Tomosada**

Lab Manua :

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.

Grading:

There will be nine experiments performed and therefore nine 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 17. (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.

Introduction to Measurements

A Graphic Experience

Preparation of Soap

Determination of Empirical Formula

Conservation of Matter

Stoichiometry

Physical and Chemical Properties

Spectrophotometry I Ammonia Fountain

Acid - Base Titration

Final Exam

Phy SE99

Course Title: **College Chemistry 10330**

Term: **Spring 1999**

Location: **Tripler Hospital**

Instructor: **Ada Tomosada**

Communications:

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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 students 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:

Concurrent enrollment in Chemistry 103L is required by Chaminade University, and high school algebra is recommended.

Only registered students will be allowed to attend classes.

Grading:

A **quiz will be given after each chapter. Homework assignments will be given and collected on the following class meeting. A final exam will be given on the last day of class. Calculators are allowed during quizzes and** final exam. **All work must be shown on paper for homework, quizzes and final exam.**

Grading breakdown is as follows: 50% quizzes, 30% final **exam, 10% homework, 10% attendance and attitude. Letter grades will be assigned according to a class curve.**

Monday 8

Tentative Class Timetable:

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