BMM FE

C4 103L3U

Course Title: College Chemistry Lab 103L

Term: Fall 2000

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.

Grading:

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 October 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 (10/7)	Introduction to **Measurements**
Week 2 (10/14)	A Graphic Experience
Week 3 (10/21)	Significant Figures
Week 4 (10/28)	Empirical Formula
Week 5 (11/4)	Stoichiometry
Week 6 (11/11)	Conservation of Matter
Week 7 (11/18)	**Spectrophotometry**
Week 8 (11/25)	no lab (Thanksgiving)
Week 9 (12/2)	Acid - Base Titration
Week 10 (12/9)	**Final** Exam

Course Title:	**College Chemistry 103**
Term:	**Fall 2000**
Location:	**Tripler Hospital**
Time:	**17:30 - 19:35**
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. All 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	Organic Compounds and Review for final exam (quiz Chapt 10) Final Exam