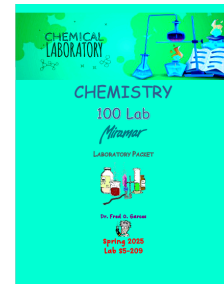


Instructor: Dr. Fred Omega Garces
 Office info: Office Rm S6-112F Office Phone 619-388-7493
 E-mail: Via [Canvas](#)
 WebPage: [fogarces.com](#) & [Canvas](#)
 Class Meeting: MW: 6:40 – 9:50 PM,
 Office Hrs: T 1 – 3PM, online and by Appointments
 Supplies: Calculator capable of scientific notations and exponential display.



* Lab Manual

[fogarces.com/zCourse/All Year/Ch100 MC/a Lab/08LbOL LabMUL/Chem100LManual.pdf](#)

You can also purchase from Miramesa Copy ~\$27.00. <https://www.miramesacopy.com/>

*Bring the lab manual, lock, gloves, safety goggles and PPE (Personal Protective Equipment)

by the third week otherwise you will not be permitted to work in the lab. No exceptions.

Tentative Schedule Jan 10, 2025 100 Lab Schedule CRN 83612/83613 Spring 2025

Week	Date	Lab Assignment	fogarces.com
1	03-Feb	Safety Training, Check-in	
2	10-Feb	01Lab Exercise-01A & 01B: Basic Math and Dimensional Analysis	
3	17- Feb	02Lab- Experiment-01: A Penny for Your Thought; Scientific Method Introduction	
4	24- Feb	03Lab Experiment-02: Measurements, the Metric System and Density	
5	03-Mar	04Lab Experiment-03: Studying Density, Miscibility, and Solubility of Liquids	
6	10-Mar	05Lab Experiment-04: Separation of a Ternary Mixture	
7	17-Mar	06 Lab Exercise- 02: Nomenclature	
8	24-Mar	07 Lab Exercise- 03: Lewis Structures & VSEPR Theory	
9	31-Mar	Easter Break	
10	07-Apr	MidTerm and Lab Practical	
11	14-Apr	08 Lab Exercise- 04: Balancing Chemical Equations & Stoichiometry Exercise	
12	21-Apr	09 Lab Experiment-05: Observing Chemical Reactions	
13	28-Apr	10 Lab Experiment-06: The Mole, Counting by Weighing	
14	05-May	11 Lab Experiment-07: Using Gas Laws to Identify an Unknown Liquid	
15	12-May	12 Lab Experiment-08: Concentration of a Salt Solution	
16	19-May	13 Lab Experiment-09: Titration of Unknown Concentration of Vinegar	
17	26-May	MidTerm and Lab Practical (Check Out)	

* 12 of 13 experiments/activities will be used to calculate your total score for the lab assignments.

Note: If you forget to turn in an assignment and it is late, then all assignment will count, and none will be dropped in determining your total score. Your total will be normalized to the max possible.

Important Dates:

Feb 14 – Last date to drop with no “W” in transcript.

Feb 14 & 17 – President’s Day, No Classes

Mar31 to Apr 4 – Spring Break

April 18 – Last day to withdraw from classes with a “W”

Jun 02 – End of semester

If you are in short supply of chemicals or need to return chemicals or equipment to the chem. stockroom, contact the lab tech or the instructor. Lab Technician:

Bryce Thompson. (619) 388-7826 bthompson001@sdccd.edu Office: S5-211

Jessica Kramer (619) 388 1291 jkramer@sdccd.edu Office: S5-211