

Lab Syllabus **CRN 53982** **General Chemistry 201 Lab** **Spring 2024**

Instructor: Dr. Fred Omega Garces

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E-mail: fgarces.ch201@gmail.com or [Canvas](#) (Please use Canvas email app first)

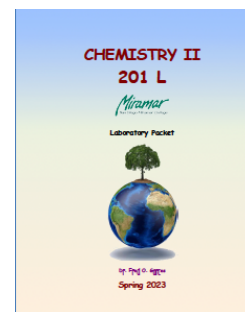
WebPage <http://fogarces.com/>

Office Hours MW: 2:15- 3:45p, TR: 3-4:30p, and by Appointments

Lab Manual Download the lab manual via [Canvas](#), [website](#), or [Google drive](#)

Supplies **Calculator** capable of scientific notations and exponential display.

Availability Lab manual available online or you can purchase from [Mira Mesa Copy Center](#) (858) 578-0941



Tentative Schedule*		General Chemistry II	Chem-201 Lab	CRN 53982	Spring 2024
Week of:		Mon/Tue		Wed/Thr	
1	29-Jan	SQ1: Safety Policy (Safety Quiz 25 pts) SQ2: Syllabus Quiz 50 pts (Given in Canvas)		Using CURE to address Climate Change (10 pts)	
2	5-Feb	Check-in Activity -1: Some Chem 201 Fundamentals: Conc & Excel (20 pts)		Writing a Research Proposal Writing lab report: Getting to Know Vernier a practice writeup	
3	12-Feb	Activity - 2: Getting to Know Vernier & Dept Instruments (30 pts) Part 1 & 2		Activity - 2: Getting to Know Vernier & Dept Instruments Part 3	
4	19- Feb	President's Day		E-1a*: Rate Law, Crystal Violet. (75pts)	
5	26- Feb	E-1b*: Rate Law, Crystal Violet. (75pts)		Data Analysis and Writing up Experiment #1 Submitting "The Proposal" (First Draft) and setting up the Team	
6	4-Mar	Activity -3: Equilibrium and LeChatelier's Principle (20 pts)		E-2: Chemical Equilibrium, finding K_f . (75pts) Data Analysis and Writing up Experiment #2	
7	11-Mar	Submitting "The Proposal" & Budget Proposal		E-3a: Acid Dissociation Constant, K_a . Part 1 (100 pts)	
8	18-Mar	E-3a: Acid Dissociation Constant, K_a . Part 2 (100 pts)		E-3, Part 3: Acid Dissociation Constant, K_a . Part 3a (100 pts)	
9	25-Mar	Spring Break			
10	01-Apr	E-3, Part 3: Acid Dissociation Constant, K_a . Part 3b (100 pts)		Data Analysis and Writing up Experiment # 3 Activity-4: Weak Acid and Base Chemistry (20 pts)	
11	08-Apr	E-4:b Analysis three Nickel Salts (150 pts)		E-4c: Analysis three Nickel Salts	
12	15-Apr	E-4c: Analysis three Nickel Salts		Data Analysis and Writing up Experiment # 4	
13	22-Apr	Activity -5: Thermodynamics (20 pts)		Lab Assessment Exam	
14	29-Apr	Research on Project		Research on Project	
15	06-May	Research on Project		Research on Project	
16	13-May	Research on Project Write-up and Preparation		Presentation	
17	20-May	Check out and Review		ACS Final Exam for Chem 201 Lecture section	

Important Dates:

Feb 09– Last date to drop with no "W" in transcript.

Mar25 to Mar 31 – Spring Break

May 24 – End of semester

Feb 16 & 19 – President's Day, No Classes

April 12 – Last day to withdraw from classes with a "W".

Updated, 1/17/24