

Lecture Syllabus **CRN 53252** General Chemistry-II 201@ Miramar Spring 2024

E-mail: Via [Canvas](#) (through Canvas email app) as last resort you can use fgarces.ch201@gmail.com
 WebPage: <http://fogarces.com> and <https://sdccd.instructure.com/login/canvas>
 Office Hours: MW: 2:30- 3:30p, T: 7-8:30p, Th 3:00 – 4:00p and by Appointment through Canvas (please contact me ahead of time)
 Office info: Office Rm S6-211F Office Phone (619) 388-7493

Tentative Schedule Jan 17		201 Lecture Schedule	CRN 53252	Spring 2024
Please Review Before Thursday / Chapters based on Tro's "Structure and Properties", via Libre Text				
Week of:				Wednesday in Class
1	29-Jan	Syllabus and Course expectation Course Preview / Chem200 Review		[11 Intermolecular Forces...]
2	5-Feb	[13 Solution Chemistry] Syllabus Quiz (25 pts)		[14 Kinetics] Background & Method Initial Rates Drop Deadline without W is Feb 09
3	12-Feb	[14 Kinetics] 0 th , 1 st and 2 nd Orders Chapter 14: 14.1 – 14.2		[14 Kinetics] Arrhenius Eqn / Mechanism Chapter 14:
4	19- Feb	President's Day, No Class		Exam 1 [Kinetics]
5	26- Feb	[15 Equilibrium] Equilibrium Constant & Q Chapter 15: 15.1-15.3		[15 Equilibrium] Solving Equilibrium Problems Chapter 15: 15.4 – 15.7
6	4-Mar	[15 Equilibrium] LeChâtelier's Chapter 15: 15.8 - 15.9		[17 Aqueous Ionic Equilibria] Heterogenous, K _{sp} and K _f Chapter 17: 17.6 – 17.7
7	11-Mar	[16 Acid - Base] Naming, Conjugates & pH Chapter 16: 16.1 – 16.3		Exam 2 [Equilibrium]
8	18-Mar	[16 Acid - Base] Salts Chapter 16: 16.1 – 16.3		[16 Acid - Base] Structure & Acidity Chapter 16: 16.4 – 16.8
9	25-Mar	Spring Break, No Classes		
10	01-Apr	[16 Acid – Base] Buffers Chapter 16: 16.9 – 16.11		[17 Add aspect A-B] Titration Curves Chapter 17: 17.1-17.2
11	08-Apr	[18 Thermodynamics] State Functions Chapter 18: 18.1 - 18.4		Midterm [Kin – Equib – Acid/Base]
12	15-Apr	[18 Thermodynamics] Laws Thermo Chapter 18: 18.1 - 18.4		[18 Thermodynamics] Free Energy, ΔG, Keq Chapter 18: 18.5 - 18.8
13	22-Apr	[19 Electrochemistry] Intro and Redox Chapter 19: 19.1 – 19.3		[19 Electrochemistry] Voltaic Cell Chapter 19: 19.4 – 19.6
14	29-Apr	[19 Electrochemistry] ΔG, Keq & E° Chapter 19: 19.7 – 19.9		Exam 3 [Thermo / Electro chem]
15	06-May	[22 Coord. Chem] Intro and Naming Chapter 22: 22. 5– 26		[22 Coord. Chem] Structure and Isomers Chapter 22: 22. 5– 26
16	13-May	[22 Coord. Chem] CFT Chapter 22: 22. 5– 26		[20 Radioactivity & Nuclear Chem] Chapter 20: 20.1 - 20.12
17	20-May	Exam 4 [Coord Chem / Nuke / IMF]		ACS Final Exam in Lab

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"

‡ Throughout the semester, there will be surprise mini-quizzes and extra credit opportunities, each with specific point guidelines. If it's an in-class assignment, submit your answers after class; for take-home assignments, turn them in at the start of the next class. If you miss an in-class assignment, it can't be made up, but you can make up a missed mini quiz if you inform me beforehand. This system rewards punctuality and regular attendance. Late submissions may lose up to 20% of points, and no extra credit is given for late submissions