

General Chemistry II, CHEM 111BF – CRN 20725
Semester Schedule – Spring 2025

Week 1...

2/3	Monday	Laboratory	Course Introduction and Laboratory Safety <i>Read Lab Manual pp. v – vii</i> Problem-Solving Handout
		Lecture	Sections 22.1 – 22.3 <i>Read Textbook pp. 873 – 886</i>
2/5	Wednesday	Laboratory	Laboratory Notebook Discussion <i>Read Lab Manual pp. xi – xiii</i> Problem-Solving Handout
		Lecture	Section 22.4 – 22.5 <i>Read Textbook pp. 886 – 891</i>

Week 2...

2/10	Monday	Laboratory	Locker Check-In Experiment #1: Super Spectacular Spectrophotometry (Pre-Lab Discussion) <i>Read Lab Manual pp. 1 – 5 (thru Data)</i> Problem-Solving Handout
		Lecture	Sections 22.6 – 22.7 <i>Read Textbook pp. 891 – 900</i> <i>Read CH 22 Summary pp. 901 – 902</i>
2/12	Wednesday	Laboratory	Experiment #1: Super Spectacular Spectrophotometry (Day 1) <i>Due at 8:00 am:</i> <i>Experiment #1 Pre-Laboratory Assignment</i>
		Lecture	Sections 14.1 – 14.2 <i>Read Textbook pp. 565 – 577</i>

Week 3...

2/17	Monday		No Class – Presidents' Day
2/19	Wednesday	Laboratory	Experiment #1: Super Spectacular Spectrophotometry (Day 2)
		Lecture	Sections 14.3 – 14.4 <i>Read Textbook pp. 577 – 591</i>

Week 4...

2/24	Monday	Laboratory	Experiment #1: Super Spectacular Spectrophotometry (Post-Lab Discussion) <i>Read Lab Manual pp. 6 – 8 (thru Discussion Questions)</i>
		Lecture	Sections 14.5 – 14.6 <i>Read Textbook pp. 591 – 599</i> <i>Read CH 14 Summary pp. 601 – 602</i>
2/26	Wednesday	Laboratory	Experiment #2: Kooky Kinetics and the Method of Initial Rates (Pre-Lab Discussion) <i>Read Lab Manual pp. 11 – 16 (thru Data)</i> Problem-Solving Handout
		Lecture	Sections 15.1 – 15.3 <i>Read Textbook pp. 611 – 619</i>

Week 5...

3/3	Monday	Laboratory	Experiment #2: Kooky Kinetics and the Method of Initial Rates <i>Due at 8:00 am:</i> <i>Experiment #1 Notebook Notes and Discussion Questions</i> <i>Experiment #2 Pre-Laboratory Assignment</i>
		Lecture	Sections 15.4 – 15.5 <i>Read Textbook pp. 619 – 627</i>
	Tuesday		<i>Due by 11:59 pm:</i> <i>Achieve Adaptive Quizzes (CHs 14 and 22)</i>
3/5	Wednesday	Laboratory	Experiment #2: Kooky Kinetics and the Method of Initial Rates (Post-Lab Discussion) <i>Read Lab Manual pp. 16 – 22 (thru Discussion Questions)</i>
		Lecture	<i>Exam I (CHs 14 and 22)</i>

Week 6...

3/10	Monday	Laboratory	Experiment #3: Kooky Kinetics and the Method of Flooding (Pre-Lab Discussion) <i>Read Lab Manual pp. 25 – 28 (thru Data)</i> Problem-Solving Handout
		Lecture	Section 15.6 <i>Read Textbook pp. 627 – 635</i> <i>Read CH 15 Summary pp. 636 – 637</i>
3/12	Wednesday	Laboratory	Experiment #3: Kooky Kinetics and the Method of Flooding <i>Due at 8:00 am:</i> <i>Experiment #2 Notebook Notes and Discussion Questions</i> <i>Experiment #3 Pre-Laboratory Assignment</i>
		Lecture	Sections 16.1 – 16.4 <i>Read Textbook pp. 645 – 659</i>

Week 7...

3/17	Monday	Laboratory	Experiment #3: Kooky Kinetics and the Method of Flooding (Post-Lab Discussion) <i>Read Lab Manual pp. 28 – 33 (thru Discussion Questions)</i>
		Lecture	Section 16.5 <i>Read Textbook pp. 659 – 664</i>
3/19	Wednesday	Laboratory	Experiment #4: The Equilibrium Constant Known as "Crazy K" (Pre-Lab Discussion) <i>Read Lab Manual pp. 37 – 41 (thru Data)</i> Problem-Solving Handout
		Lecture	Sections 16.6 – 16.7 <i>Read Textbook pp. 664 – 670</i>

Week 8...

3/24	Monday	Laboratory	Experiment #4: The Equilibrium Constant Known as "Crazy K" <i>Due at 8:00 am:</i> <i>Experiment #3 Notebook Notes and Discussion Questions</i> <i>Experiment #4 Pre-Laboratory Assignment</i>
		Lecture	Section 16.8 – 16.9 <i>Read Textbook pp. 671 – 677</i> <i>Read CH 16 Summary pp. 679 – 680</i>
3/26	Wednesday	Laboratory	Experiment #4: The Equilibrium Constant Known as "Crazy K" (Post-Lab Discussion) <i>Read Lab Manual pp. 41 – 44 (thru Discussion Questions)</i> Problem-Solving Handout
		Lecture	Sections 17.1 – 17.2 <i>Read Textbook pp. 687 – 696</i>

Week 9...

3/31	Monday	No Class – Spring Recess	
4/2	Wednesday	No Class – Spring Recess	

Week 10...

4/7	Monday	Laboratory	Laboratory (Midterm) Examination Experiment #5: The Wonderful World of pH (Pre-Lab Discussion) <i>Read Lab Manual pp. 47 – 51 (thru Data)</i> <i>Due with the examination:</i> <i>Experiment #4 Notebook Notes and Discussion Questions</i>
		Lecture	Sections 17.3 – 17.4 <i>Read Textbook pp. 696 – 706</i>
4/9	Wednesday	Laboratory	Experiment #5: The Wonderful World of pH <i>Due at 8:00 am:</i> <i>Experiment #5 Pre-Laboratory Assignment</i>
		Lecture	Sections 17.3 – 17.4 <i>Read Textbook pp. 696 – 706</i>

Week 11...

4/14	Monday	Laboratory	Experiment #5: The Wonderful World of pH (Post-Lab Discussion) <i>Read Lab Manual pp. 52 – 54 (thru Discussion Questions)</i> Problem-Solving Handout
		Lecture	Section 17.5 <i>Read Textbook pp. 706 – 708</i>
4/15	Tuesday	<i>Due by 11:59 pm:</i> <i>Achieve Adaptive Quizzes (CHs 15, 16 and 17-1)</i>	

Week 11 Cont'd...

4/16	Wednesday	Laboratory	Experiment #6: Two Titrations to Try... Your Patience (Pre-Lab Discussion) <i>Read Lab Manual pp. 57 – 61 (thru Data)</i>
			Problem-Solving Handout
		Lecture	Exam II (Chapters 15, 16 and 17-I)

Week 12...

4/21	Monday	Laboratory	Experiment #6: Two Titrations to Try... Your Patience <i>Due at 8:00 am:</i> <i>Experiment #5 Notebook Notes and Discussion Questions</i> <i>Experiment #6 Pre-Laboratory Assignment</i>
		Lecture	Sections 17.6 – 17.8 <i>Read Textbook pp. 709 – 716</i>
4/23	Wednesday	Laboratory	Experiment #6: Two Titrations to Try... Your Patience (Post-Lab Discussion) <i>Read Lab Manual pp. 61 – 63 (thru Discussion Questions)</i>
			Problem-Solving Handout
		Lecture	Section 17.10 <i>Read Textbook pp. 718 – 719</i> <i>Read CH 17 Summary pp. 720 – 721</i>

Week 13...

4/28	Monday	Laboratory	Experiment #7: Crazy Cool Cobalt Complexation (Pre-Lab Discussion) <i>Read Lab Manual pp. 67 – 72 (thru Data)</i>
			Problem-Solving Handout
		Lecture	Sections 18.1 – 18.3 <i>Read Textbook pp. 729 – 738</i>
	Tuesday		<i>Due by 11:59 pm:</i> <i>Achieve Adaptive Quizzes (CHs 15, 16 and 17-I)</i>
4/30	Wednesday	Laboratory	Experiment #7: Crazy Cool Cobalt Complexation <i>Due:</i> <i>Experiment #6 Notebook Notes and Discussion Questions</i> <i>Experiment #7 Pre-Laboratory Assignment</i>
		Lecture	Sections 18.4 – 18.6 <i>Read Textbook pp. 738 – 749</i> <i>Read CH 18 Summary pp. 750 – 751</i>
	Sunday		Last day to withdrawal (with a "W" grade)

Week 14...

5/5	Monday	Laboratory	Experiment #7: Crazy Cool Cobalt Complexation (Post-Lab Discussion) <i>Read Lab Manual pp. 72 – 75 (thru Discussion Questions)</i>
			Problem-Solving Handout
		Lecture	Sections 19.1 – 19.4 <i>Read Textbook pp. 757 – 768</i>

Week 14 Cont'd...

5/7	Wednesday	Laboratory	Experiment #8: Awesome Anodization of Aluminum (Pre-Lab Discussion) <i>Read Lab Manual pp. 79 – 82 (thru Data)</i>
		Lecture	Problem-Solving Handout Sections 19.5 – 19.6 <i>Read Textbook pp. 768 – 774</i>

Week 15...

5/12	Monday	Laboratory	Experiment #8: Awesome Anodization of Aluminum <i>Due:</i> <i>Experiment #7 Notebook Notes and Discussion Questions</i> <i>Experiment #8 Pre-Laboratory Assignment</i>
		Lecture	Sections 19.7 – 19.9 <i>Read Textbook pp. 774 – 787</i> <i>Read CH 19 Summary pp. 789 – 790</i>
5/14	Wednesday	Laboratory	Experiment #8: Awesome Anodization of Aluminum (Post-Lab Discussion) <i>Read Lab Manual pp. 82 – 84 (thru Discussion Questions)</i>
		Lecture	Problem-Solving Handout Sections 20.1 – 20.2 and 20.7 <i>Read Textbook pp. 797 – 806 and 820 – 823</i>

Week 16...

5/19	Monday	Laboratory	Laboratory Practical
		Lecture	Sections 20.3 – 20.6 <i>Read Textbook pp. 806 – 820</i> <i>Read CH 20 Summary pp. 825 – 827</i>
	Tuesday		<i>Due by 11:59 pm:</i> <i>Achieve Adaptive Quizzes (CHs 17-II, 18 and 19)</i>
5/21	Wednesday	Laboratory	Locker Check-Out Laboratory (Final) Examination
		Lecture	<i>Due with the examination:</i> <i>Experiment #8 Notebook Notes and Discussion Questions</i> Exam III (Chapters 17-II, 18 and 19)

Week 17...

5/26	Monday		No Class – Memorial Day
	Tuesday		<i>Due by 11:59 pm:</i> <i>Achieve Adaptive Quiz (CH 20)</i>
5/28	Wednesday	Laboratory	Course Final Examination (Cumulative) – 9:00 am in 441...