

	CLASS	DISC. SECTION	CLASS	CLASS	ALEKS*	LAB
WEEK	MON	TUES	WED	FRI	SUN	T, W, TH, F
1	Jan 2 NO CLASS	Jan 3 No Discussion Section	Jan 4 Welcome! Syllabus, course structure TB: none	Jan 6 R&P: L1.1 (Equilibrium; equilibrium constant) TB: 6.1-4	Jan 8 Obj 1: L1.1; Chem Kinetics Review	NO LAB
2	Jan 9 R&P: L1.2 (Kp vs. Kc; Heterogen. Equilibria) TB: 6.5-6	Jan 10 Discussion Section 1 WS01: CHEM 142 Review, L1.1-2	Jan 11 R&P: L1.3 (Solving equilibrium problems) TB: 6.7	Jan 13 R&P: L1.4 (Le Châ- telier's Principle) TB: 6.8 Pre-Ex1 Ref opens 12a	Jan 15 Obj 2: L1.2-4; Gas Laws Review	Lab Orientation
3	Jan 16 MLK Day NO CLASS	Jan 17 Discussion Section 2 WS02: L1.3-4	Jan 18 R&P: L2.1 (Bronsted- Lowry; acid strength) TB: 7.1-5 Pre-Ex1 Ref due 11p	Jan 20 EXAM 1 Coverage: CHEM 142 Review (Kinetics, Gas Laws), Unit 1	Jan 22 Obj 3: L2.1	NO LAB
4	Jan 23 R&P: L2.2 (Calculating pH of acids and bases) TB: 7.6	Jan 24 Discussion Section 3 WS03: L2.1-2 Post-Ex1 Ref opens 6p	Jan 25 R&P: L2.3 (Acid-base properties of salts) TB: 7.8	Jan 27 R&P: L2.4 (Common ion solutions; buffers) TB: 8.1-2, 8.4	Jan 29 Obj 4: L2.2-4 Post-Ex1 Ref due 11p	Lab 1 Kinetics II (take-home report)
5	Jan 30 R&P: L2.3-4, Continued TB: none	Jan 31 Discussion Section 4 WS04: L2.3-4	Feb 1 R&P: L2.5 (Titrations and pH curves) TB: 8.5	Feb 3 R&P: L2.6 (Solubility equilibria) TB: 8.8-9 Pre-Ex2 Ref opens 12a	Feb 5 Obj 5: More L2.2-4; L2.5-6	Lab 2 Weak Acid Titration (in-lab report)
6	Feb 6 R&P: L3.1 (Energy) TB: 9.1	Feb 7 Discussion Section 5 WS05: L2.5-6; L3.1	Feb 8 R&P: L3.2 (Enthalpy; Thermo. of ideal gases) TB: 9.2-3 Pre-Ex2 Ref due 11p	Feb 10 EXAM 2 Coverage: Units 1-2	Feb 12 Obj 6: L3.1-2; Gas Laws Review	Lab 3 Buffers (in-lab report)
7	Feb 13 R&P: L3.1-2, Continued TB: none	Feb 14 Discussion Section 6 WS06: L3.1-2 Post-Ex2 Ref opens 6p	Feb 15 R&P: L3.3 (Hess's Law; Enthalpy of Formation) TB: 9.4-6	Feb 17 R&P: L3.4 [†] (Statistical entropy) TB: 10.1, 10.3	Feb 19 Obj 7: More L3.1-2; L3.3-4 Post-Ex2 Ref due 11p	Lab 4 Thermo I (take-home report)
8	Feb 20 Pres's Day NO CLASS	Feb 21 Discussion Section 7 WS07: L3.3-4	Feb 22 R&P: L3.6 [†] (ΔS in system and surroundings) TB: 10.4-5, 10.8	Feb 24 R&P: L3.7 (Temp & spontaneity; ΔG) TB: 10.6-7, 10.9 Pre-Ex3 Ref opens 12a	Feb 26 Obj 8: L3.6-7	NO LAB
9	Feb 27 R&P: L3.8 (ΔG° , ΔG , K_{eq}) TB: 10.10-11	Feb 28 Discussion Section 8 WS08: L3.6-8	Mar 1 R&P: L4.1 (Redox review; Galvanic cells) TB: 4.10-11; 11.1 Pre-Ex3 Ref due 11p	Mar 3 EXAM 3 Coverage: Units 1-3	Mar 5 Obj 9: L3.8; L4.1	Lab 5 Thermo II (take-home report)
10	Mar 6 R&P: L4.2 (Standard reduction potentials) TB: 11.2	Mar 7 Discussion Section 9 WS09: L4.1-3 [‡] Post-Ex3 Ref opens 6p	Mar 8 R&P: L4.3 (Cell pot- ential, ΔG , w, & conc.) TB: 10.12; 11.3-4	Mar 10 R&P: Course Review TB: none	Mar 12 Obj 10: L4.2-3 Pie Mastery Post-Ex3 Ref due 11p	Lab 6 Redox and % Composition (in-lab report)
11	Mar 13	Mar 14 FINAL EXAM Coverage: Units 1-4 8:30-10:20 p in BAG 131	Mar 15	Mar 17	Mar 18	NO LAB

LEGEND: R&P = Review and Problem-solving session; TB = textbook reading; L = Lesson; Obj = ALEKS Objective; WS = Worksheet; Ref = Reflection

* All ALEKS Objectives are due at 11 pm on Sundays. The Pie Mastery assignment is due at 11 pm on Sun, Mar 12.

[†] Lesson 3.5 has been cancelled for this course in Winter 2023

[‡] This worksheet contains content that will be discussed in the last R&P session on Mar 8.