

COURSE SCHEDULE

Assigned sections from Atkins textbook should be read prior to the indicated class day.

Note: R = Reading Assignment | DS = Discussion Section | L = Lesson | WS = Worksheet | Obj = Objective | MT = Major Technique

Week	CLASS	CLASS	DS	CLASS	LAB	ALEKS
	<i>Mon</i>	<i>Wed</i>	<i>Thurs</i>	<i>Fri</i>		<i>Due Sun 11p</i>
1	Mar 28 Course Intro	30 L1.1: Review of VSEPR & Molecular Polarity (R: 4.1-3)	31 DS 1 DS Intro WS 1: L1.1	Apr 1 L1.2: Atomic Orbital Hybridization (R: 4.4-5,7)	NO LAB	Obj 1 L1.1 (Atkins: 4.1-3)
2	Apr 4 Continue L1.2	6 L1.3: Molecular Orbital Model of Bonding (R: 4.8-9, 10 to p. 133)	7 DS 2 WS 2: L1.2-3	8 QUIZ 1 Review of 452 142 (Lewis, VSEPR); L1.1-2	Lab Orientation Rpt due: 11:55 pm one day after lab	Obj 2: L1.2-3 (Atkins: 4.4-5,7-9)
3	Apr 11 L1.4: Magnetism (R: Box 4.2, p. 130); Diatomics (R: 4.10)	13 Continue L1.3-4	14 DS 3 WS 3: L1.4	15 L1.5: UV-Vis Spectroscopy (R: 4.12; MT 2 (pp. 146-7))	Lab 1: Reactivity Trends Rpt due: 11:55 pm one day after lab	Obj 3 L1.4 (Atkins: 4.10) (There is no L1.5 content in ALEKS)
4	Apr 18 L2.1: Intermolecular Forces (R: 6.1-8)	20 L2.2: ΔH and ΔS of Phase Δs (R: 8.11-12; 9.4 (PDFs on Canvas))	21 DS 4 WS 4: L1.5; 2.1-2	22 QUIZ 2 L1.3-5; 2.1	Lab 2: Electrochem Rpt due: 11:55 pm one day after lab	Obj 4 L2.1-2 (Atkins: 6.1-8; 8.11-12; 9.4)
5	Apr 25 L2.3: Vapor Pressure of Liquids; Boiling (R: 10.1-4)	27 L2.4: Phase Diagrams (R: 10.5-7)	28 DS 5 WS 5: L2.3-4	29 L2.5: Structure of Solids (R: 6.9-13; MT 3 (pp. 223-5))	Lab 3: IMFs Rpt due: 11:55 pm one day after lab	Obj 5 L2.3-5 (Atkins: 10.1-7; 6.9-13)
6	May 2 L3.1: Solubility; Thermo of Solutions (R: 10.8-9, 12-13)	4 L3.2: P and T Effects on Solubility; Molality (R: 10.10-11, 14)	5 DS 6 WS 6: L3.1-2	6 QUIZ 3 L2.2-5; 3.1	NO LAB	Obj 6: L3.1-2 (Atkins: 10.8-14)
7	May 9 L3.3: Colligative Properties (R: 10.15-16)	11 L3.4: Colligative Props; Pvp of Binary Solns (R: 10.17-18)	12 DS 7 WS 7: L3.3-4	13 L4.1: The d-block metals; Coordination complexes (R: 17.1-6)	Lab 4: Frac. Xtal Rpt due: 11:55 pm one week after lab	Obj 7: L3.3-4; 4.1 (Atkins: 10.15-18; 17.1-6)
8	May 16 L4.2: Crystal Field Thy; Spectrochem Series; Magnetism (R: 17.8-11)	18 L4.3: Isomers (R: 17.7)	19 DS 8 WS 8: L4.1-3	20 QUIZ 4 L3.2-4; 4.1-2	Lab 5: Spec. Series Rpt due: 11:55 pm one day after lab	Obj 8: L4.2-3 (Atkins: 17.7-11)
9	May 23 L5.1: Aliphatic Hydrocarbons (R: 19.1-3, 5)	25 Continue L5.1	26 DS 9 WS 9: L5.1	27 L5.2: Chirality; Fxnal Groups (R: 19.2 from p. 805; 20.1-8)	Lab 6: Aspirin Syn. Rpt due: end of lab	Obj 9 L5.1 (Atkins: 19.1-2,5)
10	May 30 NO CLASS Memorial Day	Jun 1 L5.3: Vibrational Spectroscopy (R: MT 1 (PDF on Canvas))	2 DS 10 L5.2-3	3 Course Review	NO LAB	Obj 10 L5.2 (Atkins: 20.1-8) (There is no L5.3 content in ALEKS)
12	FINAL EXAM: Tues, Jun 7 2:30 – 4:20 pm Covers: All content in Units 1-5					Pie Progress Due at 11:59 pm on Sun 06-05.