

COURSE SCHEDULE

This schedule is tentative and subject to change. Any changes will be announced on the course website.

For the Lecture content, the number in bold is the lecture/lesson number; the numbers in parentheses are the reading assignments and book sections related to the lecture/lesson.

	Monday (Lect)	Tuesday (Lect & Lab*)	Wednesday (Disc Sect & Lab*)	Thursday (Lect Quizzes & ALEKS**)
Week 1 (6/22)	Intro. to Course 1.1: Review of orbitals, LDS, and VSEPR (4.1-3)	1.2: Atomic Orbital Hybridization (4.4-7) No labs this week	Worksheet 1 No labs this week	1.3: Molecular Orbital Model of Bonding (4.8-10) ALEKS Initial K.C. Due 10pm
Week 2 (6/29)	1.4: Magnetism (Box 4.2, p. 130); Diatomics (4.11)	1.5: UV-Vis Spect.(4.12; MT 2 (pp. 146-147)) Remote-Labs Orientation	Worksheet 2 Remote-Labs Orientation	Quiz #1 (Unit 1), Th 7/2 ALEKS Obj. 1 (4.1-4.10) Due 11:59pm
Week 3 (7/6)	2.1: Intermolecular Forces (6.1-8)	2.2: Phase Changes (8.11-12; 9.4 (pdf in Canvas) P _{vap} ; Boiling (10.1-4) Prelab 2 due; Lab 2	Worksheet 3 Lab 2	2.3: Phase Diagrams (10.5-7) ALEKS Obj. 2 (6.1-5, 8.11-12, 10.4-6), Due 11:59pm
Week 4 (7/13)	2.4: Structure of Solids (6.9-13; MT 3 (pp. 223-225))	2.5: Bonding in Solids; Semiconductors (7.1-5, 7.12-13) No labs this week	Worksheet 4 No labs this week	Quiz #2 (Unit 2), Th 7/16 ALEKS Obj. 3 (6.9-6.13) Due 11:59pm
Week 5 (7/20)	3.1: Solubility (10.8-9); Thermo of Solutions (10.12-13)	3.2: P and T Effects on Solubility (10.10-11); Molality (10.14) Prelab 3 due; Lab 3	Worksheet 5 Lab 3	3.3: Colligative Properties (10.15-16) ALEKS Obj. 4 (9.4, 10.8-14) Due 11:59pm
Week 6 (7/27)	3.4: Colligative Props. (10.17); P _{vap} of Binary Solns (10.18)	4.1: The d-block metals; Coordination complexes (17.1-6) Prelab 4 due; Lab 4	Worksheet 6 Lab 4	Quiz #3 (Unit 3), Th 7/30 ALEKS Obj. 5 (10.15-17) Due 11:59pm
Week 7 (8/3)	4.2: Isomers (17.7)	4.3: Crystal Field; Spectrochem. Series; Magnetism (17.8-12) Prelab 5 due; Lab 5	Worksheet 7 Lab 5	Quiz #4 (Unit 4), Th 8/6 ALEKS Obj. 6 (17.2-17.10) Due 11:59pm
Week 8 (8/10)	5.1: Aliphatic Hydrocarbons (19.1-3, 7)	5.2: Organic Rxns (19.4-6, 8) Prelab 6 due; Lab 6	Worksheet 8 Lab 6	5.3: Functional Groups (20.1-8) and polymers (limited parts of 9-10, 13-15) ALEKS Obj. 7 (19.1, 19.7) Due 11:59pm
Week 9 (8/17)	Wrap-up ahead of Final	Final Exam Pt 1 No labs this week	Worksheet 9 No labs this week ALEKS Obj. 8 (20.1-20.5), Due 11:59pm	Final Exam Pt 2

***LABS:** prelabs are due 8:30am on Tuesdays; reports for Labs 2, 5, & 6 are due 11:55pm the day after lab; experiments 3 & 4 are due 11:55pm 1 week after lab

****ALEKS** deadlines are 11:59pm Thursdays; for last Obj (#8), deadline is Wed night; last Knowledge Check of the quarter will be after Obj #7