COURSE SCHEDULE

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

**Note**: DS = “Discussion Section” | L = “Lesson” | WS = “Worksheet” | Obj = “Objective” | MT = “Major Technique”

| **Week** | **CLASS** | **CLASS** | **DS** | **CLASS** | **LAB** | **ALEKS**  |
| --- | --- | --- | --- | --- | --- | --- |
|  | *Mon* | *Wed* | *Thurs Section* | *Fri* |  | *All due at 11:59p*  |
| 1 | **Mar 30** | **Apr 1** | **2** | **3** | *No Lab* | **Obj #1** (Sun, Apr 5) |
| *No Class* | Course Intro | DS Intro | L1.1: Review of VSEPR & Molecular Polarity (4.1-3) | L1.1 Sections: 4.1-2 |
| 2 | **Apr 6** | **8**  | **9** | **10** | *No Lab* | **Obj #2** (Sun, Apr 12) |
| L1.2: Atomic Orbital Hybridization (4.4-7) | **QUIZ 1****L1.1** | WS 1: L1.1-2 | L1.3: Molecular Orbital Model of Bonding (4.8-10) | L1.2Sections: 4.3-7 |
| 3 | **Apr 13** | **15** | **16** | **17** | **Remote-Labs Orientation** | **Obj #3** (Sun, Apr 19) |
| L1.4: Magnetism (Box 4.2, p. 130); Diatomics (4.11) | L1.5: UV-Vis Spect-roscopy (4.12; MT 2 (pp. 146-7)) | WS 2: L1.3-5 | L2.1: Intermolecular Forces (6.1-8) | L1.3-4 (*there is no L1.5 content in ALEKS*)Sections: 4.8-11 |
| 4 | **Apr 20**  | **22** | **23** | **24** | *No Lab* | **Obj #4** (Sun, Apr 26) |
| L2.2: H and S of Phase s (8.11-12; 9.4 (PDFs on Canvas)) | **QUIZ 2****L1.2-5, 2.1** | WS 3: L2.1-2 | Extra office hour | L2.1-2Sections: 6.1-8; 8.11-12; 9.4 |
| 5 | **Apr 27** | **29** | **30** | **May 1** | **Lab 2**: Electrochemistry | **Obj #5** (Sun, May 3) |
| L2.3: Vapor Pressure of Liquids; Boiling (10.1-4) | L2.4: Phase Diagrams (10.5-7) | WS 4: L2.3-2.4 | L2.5: Structure of Solids (6.9-13; MT 3 (pp. 223-5)) | L2.3-5Sections: 10.1-7; 6.9-13  |
| 6 | **May 4**  | **6** | **7** | **8** | **Lab 3**: Intermolecular Forces (Part II only) | **Obj #6** (Sun, May 10) |
| L3.1: Solubility (10.8-9); Thermo of Solutions (10.12-13) | **QUIZ 3****L2.2-5** | WS 5: L2.5; 3.1 | L3.2: P and T Effects on Solubility (10.10-11); Molality (10.14) | L3.1 Sections: 10.8-9,12-13 |
| 7 | **May 11** | **13** | **14** | **15** | **Lab 4**: Fractional Crystallization | **Obj #7** (Sun, May 17) |
| L3.3: Colligative Properties (10.15-16) | L3.4: Colligative Props. (10.17); Pvap of Binary Solns (10.18) | WS 6: L3.2-4 | L4.1: The d-block metals; Coordination complexes (17.1-6) | L3.2-4Sections: 10.10-11,14-18 |
| 8 | **May 18**  | **20** | **21** | **22** | **Lab 5**: Spectrochemical Series | **Obj #8** (Sun, May 24) |
| L4.2: Isomers (17.7) | **QUIZ 4****L3.1-4; 4.1** | WS 7: L4.1-2 | L4.3: Crystal Field Thy; Spectrochem Series; Magnetism (17.8-12) | L4.1-2Sections: 17.1-7 |
| 9 | **May 25** | **27** | **28** | **29** | *No Lab* | **Obj #9** (Sun, May 31) |
| Memorial Day*NO CLASS* | L5.1: Aliphatic Hydro-carbons (19.1-3, 5) | WS 8: L4.3; 5.1 | L5.2: Functional Groups (20.1-8) | L4.3; 5.1 (pt 1)Sections: 17.8-12; 19.1 |
| 10 | **June 1**  | **3** | **4** | **5** | **Lab 6**: Aspirin Synthesis | **Obj #10** (Sun, June 7) |
| L5.3: Vibrational Spectroscopy (MT 1 (PDF on Canvas)) | **QUIZ 5****L4.2-3; 5.1-2** | WS 9: L5.2-3 | Final Exam Review(Final will cover all lessons in Units 1-5) | L5.1 (pt 2), 5.3 (*there is no L5.4 content in ALEKS*)Sections: 19.3,5; 20.1-8 |
| 11 | Finals: | **FINAL EXAM****2:30-4:20 pm PDT, Tues, Jun 9****All lessons from Units 1-5** | *No Lab* | **Pie Progress** |
| *Pie Progress is due at* ***11:59 pm on Sun, June 7*** |