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) | L1.2  Sections: 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 | L2.1-2  Sections: 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)) | L2.3-5  Sections: 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) | L3.2-4  Sections: 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) | L4.1-2  Sections: 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*** | |