COURSE SCHEDULE

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

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

| **Week** | | **CLASS** | **CLASS** | **DS** | **CLASS** | **LAB** | **ALEKS** |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | *Mon* | *Wed* | *Thurs* | *Fri* | *Tues/Wed* | *Due 11:59p* |
| 1 | | **Sept 28** | **30** | **Oct 1** | **2** | *NO LAB* |  |
| *NO CLASS* | Course Intro | DS Intro | L1.1: Review of VSEPR & Molecular Polarity  (**R: 4.1-3**) | *No Objective* |
| 2 | | **Oct 5** | **7** | **8** | **9** | Remote Lab Orientation  **Rpt due**: 11:55 pm one *day* after lab | **Obj 1**: Fri 10.09 |
| L1.2: Atomic Orbital Hybridization (**R: 4.4-7**) | Continue L1.2 | WS 1:  L1.1-2 | **QUIZ 1**  **L1.1-2** | L1.1-1.2 |
| 3 | | **Oct 12 (PD 1 due)** | **14** | **15** | **16** | *NO LAB* | **Obj 2**: Fri 10.16 |
| L1.3: Molecular Orbital Model of Bonding  (**R: 4.8-10**) | L1.4: Magnetism  (**R: Box 4.2, p. 130**); Diatomics (**R: 4.11**) | WS 2:  L1.3-4 | Continue L1.3-4 | L1.3-1.4 |
| 4 | | **Oct 19** | **21** | **22** | **23** | **Lab 2**: Electrochem  **Rpt due**: 11:55 pm one *day* after lab | **Obj 3**: Fri 10.23 |
| L1.5: UV-Vis Spect-roscopy (**R: 4.12; MT 2 (pp. 146-7)**) | L2.1: Intermolecular Forces  (**R: 6.1-8**) | WS 3:  L1.5, 2.1 | **QUIZ 2**  **L1.4-5, 2.1** | L2.1  *(No L1.5 content in ALEKS)* |
| 5 | | **Oct 26** | **28** | **29** | **30** | *NO LAB* | **Obj 4**: Fri 10.30 |
| L2.2: H and S of Phase s (**R: 8.11-12; 9.4 (PDFs on Canvas)**) | L2.3: Vapor Pressure of Liquids; Boiling  (**R: 10.1-4**) | WS 4:  L2.2-2.3 | L2.4: Phase Diagrams (**R: 10.5-7**) | L2.2-2.3 |
| 6 | | **Nov 2** | **4** | **5** | **6** | **Lab 3**: IMFs  **Rpt due**: 11:55 pm one *week* after lab | **Obj 5**: Fri 11.06 |
| L2.5: Structure of Solids (**R: 6.9-13; MT 3 (pp. 223-5)**) | L3.1: Solubility; Thermo of Solutions  (**R: 10.8-9, 12-13**) | WS 5:  L2.4-5, 3.1 | **QUIZ 3**  **L2.4-5, 3.1** | L2.4-2.5; 3.1 |
| 7 | | **Nov 9 (PD 2 due)** | **11** | **12** | **13** | *NO LAB* | **Obj 6:** Fri 11.13 |
| L3.2: P and T Effects on Solubility; Molality  (**R: 10.10-11, 14**) | *Veteran’s Day*  *NO CLASS* | WS 6:  L3.2 | L3.3: Colligative Properties  (**R: 10.15-16**) | L3.2 |
| 8 | | **Nov 16** | **18** | **19** | **20** | **Lab 4**: Frac. Xtal  **Rpt due**: 11:55 pm one *week* after lab | **Obj 7:** Fri 11.20 |
| L3.4: Colligative Props; Pvap of Binary Solns  (**R: 10.17-18**) | L4.1: The d-block metals; Coordination complexes (**R: 17.1-6**) | WS 7:  L3.3-4, 4.1 | **QUIZ 4**  **L3.2-4; 4.1** | L3.3-3.4; 4.1 |
| 9 | | **Nov 23** | **25** | **26** | **27** | *NO LAB* | **Obj 8: SUN 11.29** |
| L4.2: Crystal Field Thy; Spectrochem Series; Magnetism (**R: 17.8-12**) | L4.3: Isomers  (**R: 17.7**) | *Thanksgiving*  *NO CLASS* | *Thanksgiving*  *NO CLASS* | L4.2-4.3 |
| 10 | | **Nov 30** | **Dec 2** | **3** | **4** | **Lab 5**: Spec. Series  **Rpt due**: 11:55 pm one *day* after lab | **Obj 9:** Fri 12.04 |
| L5.1: Aliphatic Hydro-carbons  (**R: 19.1-3, 5**) | Continue L5.1 | WS 8:  L4.2-3, 5.1 | **QUIZ 5**  **L4.2-3, 5.1** | L5.1 |
| 11 | | **Dec 7 (PD 3 due)** | **9** | **10** | **11** | **Lab 6**: Aspirin Syn.  **Rpt due**: 11:55 pm one *day* after lab | **Obj 10:** Fri 12.11 |
| L5.2: Chirality; Fxnal Groups (**R: 19.2 from p. 805; 20.1-8**) | L5.3: Vibrational Spectroscopy (**R: MT 1 (PDF on Canvas)**) | WS 9:  L5.2-3 | Final Exam Review  (Final will cover all lessons in Units 1-5) | L5.2  *(No L5.3 content in ALEKS)* |
| 12 | Final: Wed, Dec 16 | 8:30 – 10:20a | | | | | | **Pie Progress** | |
| *Due at* ***11:59 pm on Sun 12.13.*** | |