

## 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
	<i>Mon</i>	<i>Wed</i>	<i>Thurs</i>	<i>Fri</i>		<i>All due at 11:59p</i>
<b>1</b>	<b>Mar 30</b> No Class	<b>Apr 1</b> Course Intro	<b>2</b> DS Intro	<b>3</b> L1.1: Review of VSEPR & Molecular Polarity (4.1-3)	No Lab	<b>Obj #1</b> (Sun, Apr 5) L1.1 Sections: 4.1-2
<b>2</b>	<b>Apr 6</b> L1.2: Atomic Orbital Hybridization (4.4-7)	<b>8</b> <b>QUIZ 1</b> <b>L1.1</b>	<b>9</b> WS 1: L1.1-2	<b>10</b> L1.3: Molecular Orbital Model of Bonding (4.8-10)	No Lab	<b>Obj #2</b> (Sun, Apr 12) L1.2 Sections: 4.3-7
<b>3</b>	<b>Apr 13</b> L1.4: Magnetism (Box 4.2, p. 130); Diatomics (4.11)	<b>15</b> L1.5: UV-Vis Spectroscopy (4.12; MT 2 (pp. 146-7))	<b>16</b> WS 2: L1.3-5	<b>17</b> L2.1: Intermolecular Forces (6.1-8)	<b>Remote-Labs Orientation</b>	<b>Obj #3</b> (Sun, Apr 19) L1.3-4 ( <i>there is no L1.5 content in ALEKS</i> ) Sections: 4.8-11
<b>4</b>	<b>Apr 20</b> L2.2: $\Delta H$ and $\Delta S$ of Phase $\Delta s$ (8.11-12; 9.4 (PDFs on Canvas))	<b>22</b> <b>QUIZ 2</b> <b>L1.2-5, 2.1</b>	<b>23</b> WS 3: L2.1-2	<b>24</b> Extra office hour	No Lab	<b>Obj #4</b> (Sun, Apr 26) L2.1-2 Sections: 6.1-8; 8.11-12; 9.4
<b>5</b>	<b>Apr 27</b> L2.3: Vapor Pressure of Liquids; Boiling (10.1-4)	<b>29</b> L2.4: Phase Diagrams (10.5-7)	<b>30</b> WS 4: L2.3-2.5	<b>May 1</b> L2.5: Structure of Solids (6.9-13; MT 3 (pp. 223-5))	<b>Lab 2:</b> Electrochemistry	<b>Obj #5</b> (Sun, May 3) L2.3-5 Sections: 10.1-7; 6.9-13
<b>6</b>	<b>May 4</b> L3.1: Solubility (10.8-9); Thermo of Solutions (10.12-13)	<b>6</b> <b>QUIZ 3</b> <b>L2.2-6</b>	<b>7</b> WS 5: L2.6; 3.1	<b>8</b> L3.2: P and T Effects on Solubility (10.10-11); Molality (10.14)	<b>Lab 3:</b> Intermolecular Forces (Part II only)	<b>Obj #6</b> (Sun, May 10) L3.1 Sections: 10.8-9,12-13
<b>7</b>	<b>May 11</b> L3.3: Colligative Properties (10.15-16)	<b>13</b> L3.4: Colligative Props. (10.17); Pvp of Binary Solns (10.18)	<b>14</b> WS 6: L3.2-4	<b>15</b> L4.1: The d-block metals; Coordination complexes (17.1-6)	<b>Lab 4:</b> Fractional Crystallization	<b>Obj #7</b> (Sun, May 17) L3.2-4 Sections: 10.10-11,14-18
<b>8</b>	<b>May 18</b> L4.2: Isomers (17.7)	<b>20</b> <b>QUIZ 4</b> <b>L3.1-4; 4.1</b>	<b>21</b> WS 7: L4.1-2	<b>22</b> L4.3: Crystal Field Thy; Spectrochem Series; Magnetism (17.8-12)	<b>Lab 5:</b> Spectrochemical Series	<b>Obj #8</b> (Sun, May 24) L4.1-2 Sections: 17.1-7
<b>9</b>	<b>May 25</b> Memorial Day <b>NO CLASS</b>	<b>27</b> L5.1: Aliphatic Hydrocarbons (19.1-3, 5)	<b>28</b> WS 8: L4.3; 5.1	<b>29</b> L5.2: Functional Groups (20.1-8)	No Lab	<b>Obj #9</b> (Sun, May 31) L4.3; 5.1 (pt 1) Sections: 17.8-12; 19.1
<b>10</b>	<b>June 1</b> L5.3: Vibrational Spectroscopy (MT 1 (PDF on Canvas))	<b>3</b> <b>QUIZ 5</b> <b>L4.2-3; 5.1-4</b>	<b>4</b> WS 9: L5.2-4	<b>5</b> Final Exam Review (Final will cover all lessons in Units 1-5)	<b>Lab 6:</b> Aspirin Synthesis	<b>Obj #10</b> (Sun, June 7) L5.1 (pt 2), 5.3 ( <i>there is no L5.4 content in ALEKS</i> ) Sections: 19.3,5; 20.1-8
<b>11</b>	<b>Finals:</b>		<b>FINAL EXAM</b> <b>Tues, Jun 9</b> <b>2:30-4:20 pm</b>		No Lab	<b>Pie Progress</b> <i>Pie Progress is due at 11:59 pm on Sun, June 7</i>