

Proposed Course Schedule

Week	Date	Topic	Text Reading
1	M 8/26	Introduction; Properties of Matter; The Elements: Names & Symbols	1.1-1.5
	T 8/27	Atoms & Molecules; Formulas; Measurements: Metric vs English	1.6-1.10
	W 8/28	Significant Numbers; Sci Notation; Conversion Factors, Dimensional Analysis	2.1-2.6
	F 8/30	Conversion Factors and Dimensional Analysis	2.7-2.8
2	M 9/2	<i>Labor Day Holiday</i>	
	T 9/3	Temperature Scales (°C, °F, K); Heat & Calories	2.8
	W 9/4	Atomic Structure, Mass Numbers, Isotopes, Periodic Table	3.1-3.7
	F 9/6	Nuclear Stability & Radioactivity; Fission, Fusion, Confusion	3.8-3.9
3	M 9/9	Half-life, Nuclear Medicine	3.10-3.11
	T 9/10	Chemical Bonds: Lewis Dot Structures, Ionic Compounds & Their Names	4.1-4.9
	W 9/11	Covalent Bonds; Single & Multiple Bonds	4.10-4.18
	F 9/13	Polar Bonds; Naming non-ionic compounds	4.19
4	M 9/16	<i>Avagadro & the Mole</i>	5.1-5.2
	T 9/17	Molar Calculations	5.3
	W 9/18	Chemical Equations	5.4-5.6
	F 9/20	Balancing Chemical Equations	5.4-5.7
5	M 9/23	Mass calculations using chemical equations	5.7-5.8
	T 9/24	More calculations; Review of Chapters 1-5	
	W 9/25	Gases, Liquids, and Solids; Gas Laws, Barometric pressure	6.1-6.7
	F 9/27	<i>No Lecture Today: First Exam (Thursday, Friday, Saturday at Tracy Hall Testing Center)</i>	Chap 1-5
6	M 9/30	<i>Dalton's Law; Vapor Pressure, Evaporation, Boiling</i>	6.8-6.13
	T 10/1	Solutions: Concentration Units, Preparation, Dilutions	7.1-7.6
	W 10/2	Colligative Properties; Osmosis	7.7-7.9
	F 10/4	Chemical Reactions: Oxidation and Reduction	8.1-8.3
7	M 10/7	Combustion reactions; rates of chemical reactions;	8.4-8.6
	T 10/8	LeChatelier and chemical equilibrium	8.7-8.8
	W 10/9	Acids, Bases, and Salts	9.1-9.7
	F 10/11	pH Scale, buffers	9.8-9.9
8	M 10/14	<i>Organic Chemistry-Alkanes</i>	10.1-10.8
	T 10/15	Naming organic compounds	10.9-10.2
	W 10/16	Petroleum: Products from Oil	10.12-10.14
	F 10/18	Fall Break Holiday	
9	M 10/21	Unsaturated Hydrocarbons: Alkenes	11.1-11.6
	T 10/22	Unsaturated Hydrocarbons: Alkynes and Aromatics	11.7-11.8
	W 10/23	Unsaturated Hydrocarbons: Reactions & Addition Polymers	11.9-11.10
	F 10/25	<i>No Lecture Today: Second Exam (Thursday, Friday, Saturday at Tracy Hall Testing Center)</i>	Chap 6-11
10	M 10/28	<i>Alcohols: mono-, di-, and triols</i>	12.1-12.4
	T 10/29	Ethanol: production, concentration terms, commercial importance	12.4
	W 10/30	Reactions of Alcohols	12.1-12.4
	F 11/1	Ethers & thiols	
11	M 11/4	Amines 1°, 2°, 3° amines; names	12.5-12.9
	T 11/5	Amine reactions; acid salts of amines	12.5-12.9
	W 11/6	Catecholamines, opioids	12.9
	F 11/8	Aldehydes, Ketones	13.1-13.5
12	M 11/11	<i>Carboxylic acids & Esters; Polyester</i>	13.6-13.9
	T 11/12	Amides; nylon	13.10-13.12
	W 11/13	Carbohydrates: Monosaccharides	14.2-8
	F 11/15	Carbohydrates: Disaccharides & Polysaccharides	14.9-14.10
13	M 11/18	Lipids: Fatty acids & Triacylglycerols (Fats & Oils)	15.1-15.4
	T 11/19	Lipids: Soap production; Phospholipids, sphingolipids, steroids	15.5-15.9
	W 11/20	Proteins: Amino acids, the building blocks of proteins	16.1-16.4
	F 11/22	<i>No Lecture Today: Third Hour Exam (Tracy Hall Testing Center Fri, Sat, Mon, Tues)</i>	16.5-16.11
14	M 11/25	Enzymes: Characteristics and function (Tracy Hall Testing Center Fri, Sat, Mon, Tues, Wed)	16.13-16.14
	T 11/26	Enzymes: Factors affecting activity (Tracy Hall Testing Center Fri, Sat, Mon, Tues, Wed)	16.15-16.16
	W 11/27	<i>No Lecture Today: Third Hour Exam (Tracy Hall Testing Center Fri, Sat, Mon, Tues, Wed)</i>	Chap 12-15
	F 11/29	Thanksgiving Holiday	
15	M 12/2	Food Labels and Nutritional Values	
	T 12/3	Review for Final Exam	Chap 1-10
	W 12/4	Review for Final Exam	Chap 2-13
	F 12/6	Review for Final Exam	Chap 13-16
16	W 12/11	Final Exam - 10:30-12:30am (Wednesday - in Lecture Room)	Comprehensive