

Proposed Course Schedule

Week	Date	Topic	Text Reading
1 M	8/25	Introduction; Properties of Matter; The Elements: Names & Symbols	1.1-1.5
T	8/26	Atoms & Molecules; Formulas; Measurements: Metric vs English	1.6-1.10
W	8/27	Significant Numbers; Sci Notation; Conversion Factors, Dimensional Analysis	2.1-2.6
F	8/29	Conversion Factors and Dimensional Analysis	2.7-2.8
2 M	9/1	<i>Labor Day Holiday</i>	
T	9/2	Temperature Scales (°C, °F, K); Heat & Calories	2.8
W	9/3	Atomic Structure, Mass Numbers, Isotopes, Periodic Table	3.1-3.7
F	9/5	Nuclear Stability & Radioactivity; Fission, Fusion, Confusion	3.8-3.9
3 M	9/8	Half-life, Nuclear Medicine	3.10-3.11
T	9/9	Chemical Bonds: Lewis Dot Structures, Ionic Compounds & Their Names	4.1-4.9
W	9/10	Covalent Bonds; Single & Multiple Bonds	4.10-4.18
F	9/12	Polar Bonds; Naming non-ionic compounds	4.19
4 M	9/15	Avagadro & the Mole	5.1-5.2
T	9/16	Molar Calculations	5.3
W	9/17	Chemical Equations	5.4-5.6
F	9/19	Balancing Chemical Equations	5.4-5.7
5 M	9/22	Mass calculations using chemical equations	5.7-5.8
T	9/23	More calculations; Review of Chapters 1-5	
W	9/24	Gases, Liquids, and Solids; Gas Laws, Barometric pressure	6.1-6.7
F	9/26	<i>No Lecture Today: First Exam (Thursday, Friday, Saturday at Tracy Hall Testing Center)</i>	Chap 1-5
6 M	9/29	Dalton's Law; Vapor Pressure, Evaporation, Boiling	6.8-6.13
T	9/30	Solutions: Concentration Units, Preparation, Dilutions	7.1-7.6
W	10/1	Colligative Properties; Osmosis	7.7-7.9
F	10/3	Chemical Reactions: Oxidation and Reduction	8.1-8.3
7 M	10/6	Combustion reactions; rates of chemical reactions;	8.4-8.6
T	10/7	LeChatelier and chemical equilibrium	8.7-8.8
W	10/8	Acids, Bases, and Salts	9.1-9.7
F	10/10	pH Scale, buffers	9.8-9.9
8 M	10/13	<i>Organic Chemistry-Alkanes</i>	10.1-10.8
T	10/14	Naming organic compounds	10.9-10.2
W	10/15	Petroleum: Products from Oil	10.12-10.14
F	10/17	Fall Break Holiday	
9 M	10/20	Unsaturated Hydrocarbons: Alkenes	11.1-11.6
T	10/21	Unsaturated Hydrocarbons: Alkynes and Aromatics	11.7-11.8
W	10/22	Unsaturated Hydrocarbons: Reactions & Addition Polymers	11.9-11.10
F	10/24	<i>No Lecture Today: Second Exam (Tracy Hall Testing Center: Thurs, Fri, Sat)</i>	Chap 6-11
10 M	10/27	Alcohols: mono-, di-, and triols	12.1-12.4
T	10/28	Ethanol: production, concentration terms, commercial importance	12.4
W	10/29	Reactions of Alcohols	12.1-12.4
F	10/31	Ethers & thiols	
11 M	11/3	Amines 1°, 2°, 3° amines; names	12.5-12.9
T	11/4	Amine reactions; acid salts of amines	12.5-12.9
W	11/5	Catecholamines, opioids	12.9
F	11/7	Aldehydes, Ketones	13.1-13.5
12 M	11/10	Carboxylic acids & Esters; Polyester	13.6-13.9
T	11/11	Amides; nylon	13.10-13.12
W	11/12	Carbohydrates: Monosaccharides	14.2-14.8
F	11/14	Carbohydrates: Disaccharides & Polysaccharides	14.9-14.10
13 M	11/17	Lipids: Fatty acids & Triacylglycerols (Fats & Oils)	15.1-15.4
T	11/18	Lipids: Soap production; Phospholipids, sphingolipids, steroids	15.5-15.9
W	11/19	<i>No Lecture Today - Prepare for Exam</i>	
F	11/21	<i>No Lecture Today: Third Hour Exam (Tracy Hall Testing Center Wed, Thurs, Fri, Sat)</i>	Chap 12-15
14 M	11/24	Proteins: Amino acids, the building blocks of proteins	16.1-16.12
T	11/25	Enzymes: Characteristics and function	16.13-16.14
W	11/26	Enzymes: Factors affecting activity	16.15-16.16
F	11/28	Thanksgiving Holiday	
15 M	12/1	Food Labels and Nutritional Values	
T	12/2	Review for Final Exam	Chap 1-10
W	12/3	Review for Final Exam	Chap 2-13
F	12/5	Review for Final Exam	Chap 13-16
16 W	12/10	Final Exam - 10:30-12:30am (Wednesday - in Lecture Room)	Comprehensive