

Dr. Davies  
 Chem. 1010 - Introduction to Chemistry  
 Spring 2017- Tentative Schedule

**week #1**

<b>Date</b>	<b>Content</b>	<b>pp.</b>	<b>Homework (HW) problems</b>
Mon 1/9	Course introduction and orientation		
Wed 1/11	Quiz 1  Science and the Scientific Method	1-15	Begin <b>Ch. 1 About Science</b>
Fri 1/13	Quiz 2  Measurements  Mass, Volume and Density	15-18  33-36	Finish Ch. 1  Begin <b>Ch. 2 Particles of Matter</b>

**week #2**

<b>Date</b>	<b>Content</b>	<b>pp.</b>	<b>Homework problems</b>
<b>Mon. 1/16</b>	<b>Martin Luther King Day - No Class held</b>		
Wed. 1/18	Quiz 3  Atoms & Molecules  Energy  States of Matter  Gas Laws	27-32  37-48	Ch. 1 HW due  Finish Ch. 2
Fri. 1/20	Quiz 4  Periodical Table  Compounds  Nomenclature	65-74	Ch. 2 HW due  Begin <b>Ch. 3 Elements of chemistry</b>

**week #3**

<b>Date</b>	<b>Content</b>	<b>pp.</b>	<b>Homework problems</b>
Mon. 1/23	Quiz #5 Physical vs Chemical Changes Mixtures	59-64 75-80	Ch. 3
Wed. 1/25	Quiz #6 Subatomic Particles	95-103	Ch. 3 HW due  <b>Ch. 4 Subatomic Particles</b>
Fri 1/27	Quiz #7 Light Shells Periodic Trends	103-109 117-122	

**week #4**

<b>Date</b>	<b>Content</b>	<b>pp.</b>	<b>Homework problems</b>
Mon. 1/30	Catch Up & Review  <b>Last Day to Cancel Class</b>		
Wed. 2/1	<b>Exam #1 - Chapters 1,2,3,4 - In testing center (No Class Held)</b> Ch. 4 HW due		
Fri. 2/3	Quiz #8 Radioactivity	133-141	<b>Ch. 5 The Atomic Nucleus</b>

**week #5**

<b>Date</b>	<b>Content</b>	<b>pp.</b>	<b>Homework problems</b>
Mon. 2/6	Quiz #9 Isotopic Dating  Nuclear Fission  Nuclear Fusion	142-153	Ch. 5
Wed. 2/8	Quiz #10 Valence Electrons  Ionic Bonds  Metallic Bonds  Covalent Bonds	163-177	<i>Ch. 5 HW due</i>  <b>Ch. 6 How Atoms Bond</b>
Fri. 2/10	Quiz #11 VSEPR  Polarity	177-186	Ch. 6

**week #6**

<b>Date</b>	<b>Content</b>	<b>pp.</b>	<b>Homework problems</b>
Mon. 2/13	Quiz #12 Intermolecular Attractions  Types of Mixtures	195-202	<i>Ch. 6 HW due</i>  <b>Ch. 7 How Molecules Mix</b>
Wed. 2/15	Quiz #13 Concentrations  Solubility  Soap  Water Softener	203-213	Ch. 7
Fri. 2/17	Quiz #14 Water Purification	213-219	Ch. 7

**week #7**

<b>Date</b>	<b>Content</b>	<b>pp.</b>	<b>Homework problems</b>
Mon. 2/20	<b>President's Day – No class held</b>		
Wed. 2/22	Quiz #15  Hydrogen bonding  Cohesive / Adhesive  Melting / Freezing	229-238	Ch. 7 HW due  <b>Ch. 8 How Water Behaves</b>
Fri. 2/24	Quiz #16  Boiling / Condensing  Specific Heat	239-251	Ch. 8

**week #8**

<b>Date</b>	<b>Content</b>	<b>pp.</b>	<b>Homework problems</b>
Mon. 2/27	Catch Up & Review		
Wed. 3/1	<b>Exam #2</b> Chapters 5, 6, 7, 8 in the testing center (No Class held)  Ch. 8 HW due		
Fri. 3/3	Quiz #17  Chemical Equations  Formula Mass  Gram / Mole Conversions	261-269	<b>Ch. 9 How Chemicals React</b>

**Spring Break Monday March 6<sup>th</sup> – Friday March 10<sup>th</sup>**

week #9

Date	Content	pp.	Homework problems
Mon. 3/13	Quiz #18 Thermodynamics Endothermic / Exothermic	270-277	Ch. 9
Wed. 3/15	Quiz #19 Kinetics Catalysts / Enzymes	277-285	Ch. 9
Fri. 3/17	Quiz #20 Acid / Base Acid-Base Strength	294-306	<i>Ch. 9 HW due</i> <b>Ch 10 Acids / Bases</b>

week #10

Date	Content	pp.	Homework problems
Mon. 3/20	Quiz #21 Buffer Environmental Applic.	307-313	Ch. 10
Wed.3/22	Quiz #22 Oxidation / Reduction Electrochemistry	322-327	Ch. 10 HW due <b>Ch 11 Oxidation / Reduction</b>
Fri. 3/24	Quiz #23 Batteries Fuel Cells	327-333	

**week #11**

<b>Date</b>	<b>Content</b>	<b>pp.</b>	<b>Homework problems</b>
Mon. 3/27	Quiz #24  Photovoltaic  Electrolysis	334-338	Ch. 11
Tues. 3/28	<b>Last Day to Withdraw</b>		
Wed. 3/29	Quiz #25  Reduction of ores  Corrosion / Combustion	338-345	Ch. 11
Fri. 3/31	Catch Up & Review		

**week #12**

<b>Date</b>	<b>Content</b>	<b>pp.</b>	<b>Homework problems</b>
Mon.4/3	<b>Exam #3</b> Chapters 9, 10, 11 in testing center (no class held)  Ch. 11 HW due		
Wed.4/5	Quiz #26  Intro to Functional Groups	355-372	<b>Ch 12 Organic Chemistry</b>
Fri. 4/7	Quiz #27  Drawing & Naming Organic Molecules  Stereochemistry  Organic Synthesis	373-374	Ch. 12

**week #13**

<b>Date</b>	<b>Content</b>	<b>pp.</b>	<b>Homework problems</b>
Mon.4/10	Quiz #28 Polymers	374-386	Ch. 12
Wed. 4/12	Quiz #29 Carbohydrates  Lipids	398-408	<i>Ch. 12 HW due</i>  <b>Ch. 13</b> Nutrients of Life
Fri. 4/14	Quiz #30 Proteins  Nucleic Acids	408-420	Ch. 13

**week #14**

<b>Date</b>	<b>Content</b>	<b>pp.</b>	<b>Homework problems</b>
Mon. 4/17	Quiz #31 Vitamins / Minerals  Diet	420-430	
Wed. 4/19	Quiz #32 Drug Discovery  Struct. Activity Rel. (SAR)  Chemotherapy	439-451	<b>Ch 14 Medicinal Chemistry</b>  <i>Ch. 13 HW due</i>
Fri. 4/21	Quiz #33  Psychoactive Drugs	452-465	Ch. 14 HW due Ch. 14

**week #15**

<b>Date</b>	<b>Content</b>	<b>pp.</b>	<b>Homework problems</b>
Mon. 4/24	Review		
Wed 4/26	<b>Comprehensive Final</b> (Half devoted to Ch 12, 13, 14) 9:00 -10:50 a.m.		