

# ACADEMIC SCHEDULE – CHE 111 CONCEPTS OF CHEMISTRY

**LECTURE:** 11:00AM – 12:25PM TUESDAY/THURSDAY

**LAB:** 01:00PM – 04:00PM THURSDAY

**SPRING 2008**

**JAMES E. COPELAND**

<b>WEEK – DATE</b>	<b>*****LESSONS*****</b>
1 / 1/24	Orientation / The Scientific Method – Required reading – Chapter 1
2 / 1/29	Chemistry & Matter – Required reading – Chapters 1 & 2
2 / 1/31	Matter & Energy – required reading – Chapter 2
3 / 2/05	Quiz 1 / Measurements in Chemistry – Required reading – Chapter 3
3 / 2/07	Measurements in Chemistry – Required reading – Chapter 3
4 / 2/12	Lincoln’s Birthday – No class unless needed to make a pervious snow day
4 / 2/14	Quiz 2/Measurements cont’d. / Atom, Elements, & Compounds – Required reading – Chapter 4 & 18
5 / 2/19	Chaps. 4 & 18 cont’d./Electron Arrangement–Required reading – Chapter 5
5 / 2/21	Quiz 3 / Electron Arrangement – Required reading – Chapter 5
6 / 2/26	Chap. 5 cont’d. / Chemical Bonds – Required reading – Chapter 8/ Chemical Bonding & Formula Writing – Required reading – Chapter 8
6 / 2/28	*****UNIT TEST 1*****
7 / 3/04	The Periodic Table – Required reading Chapter 7
7 / 3/06	The Periodic Table – Required reading – Chapter 7 / Quiz 4 (Take Home
8 / 3/11	Quiz 4 (Take Home) due at 11:00am do not be late for class/ Naming Inorganic Compounds – Required reading – Chapter 6
8 / 3/13	Naming Inorganic Compounds –Required reading cont’d/ Calculating Formula Weights – Required reading – Chapter 9
9 / 3/18	Spring Break
9 / 3/20	Spring Break
10 / 3/25	The Mole/Percent Composition/Empirical Formulas – Required reading Chapters 4,9
10 / 3/27	Quiz 5/ Chapter 9 cont’d / Chemical Equations – Required reading Chapter 10
11 / 4/01	Stoichiometry – Required reading – Chapter 11
11 / 4/03	Quiz 6/ Gases & the Gas Laws – Required reading – Chapter 12
12 / 4/08	Water / Liquids / Solids – Required reading – Chapter 13
12 / 4/10	*****UNIT TEST 2*****

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13	/	4/15	Quiz 7/ Acids/Bases/pH/Electrolytes/Ionization – Required reading – Chapter 16
13	/	4/17	Oxidation – Reduction reactions/Electrolytic cells–Required reading – Chap(s) 15,16
14	/	4/22	Reaction rates / Chemical Equilibrium – Required reading – Chapters 15 & 17
14	/	4/24	Quiz 8 / Organic Chemistry – Required reading – Chapter 20 & handout
15	/	4/29	<i>Last day to withdraw from class.</i>
15	/	4/29	Organic Chemistry / Biochemistry – Required reading – Chapter 20 and Handout
15	/	5/01	Quiz 9/Biochemical Mechanisms / Chemistry – Required reading - Chapter 20 and Handout
16	/	5/06	Hydrocarbons – Required reading – Chapter 19
16	/	5/08	*****UNIT TEST 3 *****
17	/	5/13	Review Unit Test 3 / Explain final exam process
17	/	5/15	FINAL EXAM – 11:00am – 02:15pm (Room TBA)

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**CHEMISTRY 111 LAB SCHEDULE**

**LAB: 01:00PM – 04:00PM Thursday - ROOM 215**

**JAMES E. COPELAND, INSTRUCTOR**

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WEEK – DATE	***** ACTIVITY *****
1 1/24	Lab Procedures, Lab Safety, and Basic Equipment
2 1/31	Measurements in Chemistry
3 2/07	Percent of Water in a Hydrate
4 2/14	Properties of Chemical Substances
5 2/21	Atoms, Molecules, Chemical Bonding and Chemical Formulas
6 2/28	***** LAB PRACTICAL 1 *****
7 3/06	Qualitative Analysis & Chemical Formulas by Quantitative Analysis
8 3/13	Stoichiometry (Mass-Mass) in a acid/base reaction
9 3/20	SPRING BREAK
10 3/27	Problem Solving Session I
11 4/03	Problem Solving Session II
<b>12 4/10</b>	<b><i>Lecture: Solutions – Acids, Bases, Salts, Electrolytes, Ionization – Chapters 14,16</i></b>
13 4/17	Solutions
14 4/24	Acids, Bases, Titration, and Electrolytes
15 5/01	Biochemistry / Organic Chemistry
16 5/08	*****LAB PRACTICAL 2*****

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