

Tentative: ACADEMIC SCHEDULE CHE 111 CONCEPTS OF CHEMISTRY

Lecture: 9:00am – 9:55am MWF

LAB #1: 1:00pm – 4:00pm M

LAB #2: 1:00pm – 4:00pm W

Spring 2011

Melani Saurez-Contreras, Instructor

WEEK – DATE		***** LESSON(S) *****
1	1/24	Orientation (Review syllabus) / Scientific Method
1	1/26	Scientific Method cont'd / Chemistry – Required reading – Ch 1, 2
1	1/28	Chemistry, Matter & Energy – Required reading – Chapter 2
2	1/31	Matter & Energy – Required reading – Chapter 2 Measurements in Chemistry – Required reading – Chapter 3
2	2/02	<u>Quiz 1</u> / Measurements in Chemistry – Required reading – Chapter 3
2	2/04	Measurements in Chemistry – Required reading – Chapter 3
3	2/07	Measurements cont'd / Atoms, Elements, Molecules & Compounds Required reading Chapters 4 & 18
3	2/09	Atoms, Elements, Molecules & Compounds – Required reading – Chapters 4 & 18
3	2/11	<u>Quiz 2</u> Atoms, Elements, Molecules & Compound cont'd / Energy levels – Required reading – Chapter 5
4	2/14	Electrons and Principle Energy Levels - Required reading – Chapter 5
4	2/16	Electron Arrangement – Required reading – Chapter 5
4	2/18	<u>Quiz 3</u> / Chemical Bonding – Required reading – Chapter 8 / Rules for writing the chemical formulas for ion and covalent inorganic compounds
5	2/21	Writing Chemical Formulas – Required reading – Chapter 8
5	2/23	***** UNIT TEST 1 *****
5	2/25	The Periodic Table of Elements – Required reading – Chapter 7

WEEK	DATE	***** LESSON(S)*****
6	2/28	The Period Table – Required reading- Chapter
6	3/02	<u>Quiz 4</u> The Periodic Table – Required reading – Chapter 7
6	3/04	Naming inorganic compounds – Required reading – Chapter 6
7	3/07	Naming inorganic compounds – Required reading – Chapter 6
7	3/09	Naming inorganic compounds cont'd / Calculating Formula Weights (Molar Mass & Molecular Mass) Required reading – Chapter 9 & 4.12 of Chapter 4
7	3/11	<u>Quiz 5</u> / Calculations: Formulas Weight, Moles Required reading Chapters 4 & 9
8	3/14	Spring Break
8	3/16	Spring Break
8	3/18	Spring Break
9	3/21	Calculations: Percent Composition – Empirical Formulas
9	3/23	Chemical Equations – Required reading – Chapter 10
9	3/25	Chemical Equations and Stoichiometry – Ch 10,11
10	3/28	<u>Quiz 6</u> / Stoichiometry cont'd / Gases -Required reading – Chapter 12
10	3/30	Gases and the Gas laws – Chapter 12
10	4/01	Liquids & Solids - Required reading – Chapter 13
11	4/04	Liquids & Solids cont'd
11	4/06	***** UNIT TEST 2 *****
11	4/08	Solutions – Required reading – Chapter 14
12	4/11	Solutions – Required reading – Chapter 14
12	4/13	Solutions – Required reading – Chapter 14
12	4/15	<u>Quiz 7</u> / Acids and Bases – Required reading – Chapters 16, 17
13	4/18	Electrolytes, Ionization and Ionic Equations – Required reading – Chapters 15, 16, 17
13	4/20	Oxidation – Reduction reactions / Redox equations Required reading – Chapters 15,16 & 17
13	4/22	Good Friday – No Class – College Closed

WEEK – DATE		*****LESSON(S)*****
14	4/25	Factors that effect the rate of chemical reactions / Chemical Equilibrium – Required reading Chapters 15, 16, 17
14	4/27	<u>Quiz 8</u> / Organic Chemistry / Carbohydrates and Lipids – Required Reading – Chapter 20
14	4/29	Organic Chemistry / Proteins and Nucleic Acids – Required reading – Chapter 20 & Handout
15	5/02	Biochemical processes – Required reading – Chapter 20 & Handout
15	5/04	<u>Quiz 9</u> Biochemical processes cont'd - Required reading – Chapter 19 and Handout
15	5/06	Hydrocarbons - Required reading – Chapter 19
16	5/09	Hydrocarbons – Required reading – Chapter 19
16	5/11	Hydrocarbons – Required reading – Chapter 19 & handout
16	5/13	*****UNIT TEST 3*****
17	5/16	Review Unit Test 3 and Explain the Final exam Process
17	5/18	<u>FINAL EXAM</u> - 09:00am – 11:30pm – Room TBA

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CHE 111 LABORATORY SCHEDULE – ROOM - B216 Spring 2011

Lab#1: 1:00pm – 4:00pm - Monday's

Lab#2: 1:00pm – 4:00pm – Wednesday's

WEEK – DATE(S) – ***LESSON(S)*******

1	1/24-26	Lab Procedures, Safety & Equipment
2	1/31-2/02	Measurements in Chemistry
3	2/07-09	Percent of Water in a Hydrate
4	2/14-16	Properties of Chemical Substances/Physical or Chemical Changes
5	2/21-23	Atoms, Molecular Bonds, & Writing Chemical Formulas
6	2/28-3/02	***** LABPRACTICAL 1 *****
7	3/07-09	Qualitative Analysis & Quantitative Analysis (Chemical Formulas)
8	3/14-16	SPRING BREAK
9	3/21-23	PROBLEM SOLVING SESSION I
10	3/28-30	Problem Solving Session II
11	4/04-06	Stoichiometry (mass-mass) in an Acid/Base Reaction
12	4/11-13	Solutions
13	4/18-20	Acids / Bases – Titration - Electrolytes
14	4/25-27	Organic / Bio - Chemistry
15	5/02 – 04	***** LAB PRACTICAL 2 *****