

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

Fall 2013

Dr. Donald David Pascal, Instructor

WEEK – DATE	***** LESSON(S) *****
1 08/26	Orientation (Review syllabus) / Scientific Method - Ch 1
1 08/28	Scientific Method cont'd / Chemistry – Required reading – Ch 1 & Pgs 57-69 of Chapter 3 and Chapter 4
1 08/30	Chemistry, Matter & Energy – Required reading – pgs 57-69 Chapter 3 & Chapter 4
2 09/02	Labor Day – No Class
2 09/04	Matter & Energy – Required reading – pgs 57-69 Chapter 3 & Chapter 4 Measurements in Chemistry – Required reading – Chapter 2
2 09/06	<u>Quiz 1</u> / Measurements in Chemistry – Required reading – Chapter 2 & Pages 40-56 of Chapter 4
3 09/09	Measurements in Chemistry – Required reading – Chapter 4
3 09/11	Atoms, Elements, Molecules & Compounds – Required reading – Chapters 5 & 18
3 09/13	Atoms, Elements, Molecules & Compound cont'd – Chapters 5 & 18
4 09/16	<u>Quiz 2</u> / Atoms / Electrons and Principle Energy Levels Required reading – Chapter 5
4 09/18	Electron Arrangement – Required reading – Chapter 5
4 09/20	Electron Arrangement – Required reading – Chapter 5
5 09/23	<u>Quiz 3</u> / Chemical Bonding – Required reading – pgs 155-164 of Ch. 6 and Chapter 12 Rules for writing formulas for ionic and covalent compounds 7.4 Chapter 7

5	09/25	Writing Chemical Formulas (Ionic and Covalent) – Required reading 7.4 Chapter 7 & Chapter 12
5	09/27	***** UNIT TEST 1 *****
6	09/31	The Period Table – Required reading- Chapter 6
6	10/02	The Periodic Table – Required reading – Chapter 6
6	10/04	The Periodic Table – Required reading – Chapter 6 / <u>Quiz 4</u>
7	10/07	Naming inorganic compounds – Required reading – Chapter 7
7	10/09	Naming inorganic compounds – Chapter 7
7	10/11	Naming inorganic compounds cont'd // Calculation of Formula Weights(Molar mass & Molecular mass)-Required reading – Chapter 9 2.10 Chapter 2
8	10/14	<u>Quiz 5</u> / Calculations: Formulas Weight, Moles Required reading Chapters 2 (2.10) & 9
8	10/16	Calculations: Percent Composition – Empirical Formulas / cont'd
8	10/18	Chemical Equations – Required reading – Chapter 8
9	10/21	Chemical Equations Ch 8 and Stoichiometry – Ch 10
9	10/23	Stoichiometry – Required reading – Chapter 10
9	10/25	<u>Quiz 6</u> / Stoichiometry cont'd / Gases – Chapter 11
10	10/28	Gases and the Gas Laws – Required reading – Chapter 11
10	10/30	Liquids & Solids – Required reading – Chapter 13
10	11/01	Liquids & Solids cont'd
11	11/04	***** UNIT TEST 2 *****
11	11/06	Solutions – Required reading – Chapter 14
11	11/08	Solutions – Required reading – Chapter 14
12	11/11	Solutions - Required reading – Chapter 14
12	11/13	<u>Quiz 7</u> / Acids, Bases - Chapter 15

12	11/15	Electrolytes, Ionization and Ionic Equation Required reading – Chapter 15
13	11/18	Oxidation-Reduction Reactions Required reading – Chapters 16 & 17
13	11/20	<i>Quiz 8</i> / Reaction Rates and Chemical Equilibrium – Chapters 16,17
13	11/22	Organic Chemistry – Required reading – Chapters 16, 17 (Handouts)
14	11/25	Organic Chemistry – Required reading – Chapter 20 and Handout
14	11/27	Organic Chemistry/Biochemical processes
14	11/29	Thanksgiving Holiday
15	12/02	<i>Quiz 9</i> / Bio-chemistry cont'd
15	12/04	Bio-chemistry cont'd / Hydrocarbons – Chapter 19
15	12/06	Hydrocarbons – Required reading Chapter 19
16	12/09	Hydrocarbons – Required reading Chapter 19
16	12/11	Hydrocarbons – Required reading Chapter 19
16	12/13	***** UNIT TEST 3 *****
17	12/16	Review Unit Test 3 and Explain the Final exam Process
17	12/18	<u>FINAL EXAM</u> - 09:00am – 11:30pm – Room TBA

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CHE 111 LABORATORY SCHEDULE – ROOM - B216 Fall 2013 - Pascal

Lab#1: 1:00pm – 4:00pm - Monday's (M)

Lab#2: 1:00pm – 4:00pm – Wednesday's (W)

WEEK – DATE(S) – *****LESSON(S) *****

1	8/26 – 29	Lab Procedures, Safety & Equipment
2	9/04	W - Measurements in Chemistry
3	9/09	M - Measurements in Chemistry
3	9/11	W - Percent of Water in a Hydrate
4	9/16	M - Percent of Water in a Hydrate
4	9/18	W - Properties of Chemical Substances/Physical or Chemical Changes
5	9/23	M - Properties of Chemical Substances/Physical or Chemical Changes
5	9/25	W - Atoms, Molecular Bonds, & Writing Chemical Formulas
6	9/30	M - Atoms, Molecules Bonds, & Writing Chemical Formulas
6	10/02	W - ***** LAB PRACTICAL 1 *****
7	10/07	M - ***** LABPRACTICAL 1 *****
7	10/09	W - Qualitative Analysis & Quantitative Analysis (Chemical Formulas)
8	10/14	M - Qualitative Analysis & Quantitative Analysis (Chemical Formulas)
8	10/16	W - Stoichiometry (Mass – Mass) Acid/Base Reaction
9	10/21	M - Stoichiometry (mass-Mass) Acid/Base Reaction
9	10/23	<i>PROBLEM SOLVING SESSION</i>
10	10/28 -30	Problem Solving Session
11	11/05 - 07	Solutions
12	11/11 - 13	Acids / Bases – Titration - Electrolytes
13	11/18 - 20	Organic / Bio - Chemistry
14	11/25 – 27	Open
15	12/02 – 04	***** LAB PRACTICAL 2 *****