

ACADEMIC SCHEDULE

CHE 111 CONCEPTS OF CHEMISTRY

Tentative Schedule

Lecture: 1:00pm – 2:25pm / Tuesday (T) & Thursday (R)

Lab: 09:00am – 12:00pm / Tuesday (T)

FALL 2013

Dr. Donald David Pascal, Instructor

WEEK – DATE	***** LESSON(S) *****
1 08/29	Orientation / Scientific Method / Required reading – Chapters 1
2 09/03	Chemistry, Matter & Energy – Required reading – Pages 57- 69 of Chapter 3 and Chapter 4
2 09/05	Matter & Energy – Required reading – Chapter 4 Measurements in Chemistry – Required reading – Chapter 2 & pgs 40-56 of Chapter 3
3 09/10	<u>Quiz 1</u> / Measurements in Chemistry – Required reading – Chapter 3
3 09/12	Measurements in Chemistry – Required reading – Chapter 3
4 09/17	Atoms, Elements, Molecules & Compounds – Required reading – Chapters 5 & 18
4 09/19	<u>Quiz 2</u> / Atoms, Elements, Molecule & Compounds cont'd / Electrons and Principle Energy Levels – Required reading – Chapter 5
5 09/24	Electrons Arrangement – Required reading – Chapter 5
5 09/26	<u>Quiz 3</u> / Electron Arrangement –Required reading – Chapter 5 Chemical Bonding – Required reading – pgs 155-165 of Chapter 6 & Chapter 12
6 10/01	Chemical Bonding & Writing Chemical Formulas – Required reading Chapter 6 pgs 155-164 & 7.4 of Chapter 7
6 10/03	***** UNIT TEST 1 *****

WEEK – DATE	***** LESSON(S) *****
7 10/08	The Periodic Table – Required reading – Chapter 6
7 10/10	The Periodic Table – Required reading – Chapter 6 / <u>Quiz 4</u>
8 10/15	The Periodic Table cont'd / Naming inorganic compounds – Required reading – Chapter 7
8 10/17	Naming inorganic compounds cont'd / Calculation of Formula Weights(Molar mass & Molecular mass)-Required reading – Chapter 9 2.10 Chapter 4
9 10/22	<u>Quiz 5</u> / Calculations: Formulas Weight, Moles, Percent Composition, and Empirical Formulas – Required reading Chapters 2 & 9
9 10/24	Chemical Equations – Required reading – Chapter 8
10 10/29	Stoichiometry – Required reading – Chapter 10
10 10/31	<u>Quiz 6</u> / Gases and the Gas Laws – Required reading – Chapter 11
11 11/05	Liquids(Water) & Solids – Required reading – Chapter 13
11 11/07	***** <u>UNIT TEST 2</u> *****
12 11/12	Solutions – Required reading – Chapter 14
12 11/14	Solutions - Required reading – Chapter 14
13 11/19	<u>Quiz 7</u> / Acids, Bases, Electrolytes, Ionization and Ionic Equation Required reading – Chapter 15
13 11/22	Oxidation-Reduction Reactions/Reaction Rates and Chemical Equilibrium – Required reading – Chapters 16 & 17
14 11/26	<u>Quiz 8</u> / Organic Chemistry – Required reading – Chapter 20 and Handout
14 11/28	Thanksgiving Holiday - No Class

WEEK – DATE	*****LESSON(S)*****
15 12/03	Organic Chemistry – Required reading – Chapter 20 and Handout Biochemical Processes – Required reading Chapter 20 & Handout
15 12/05	<i>Quiz 9 / Bio-chemistry cont'd –Hydrocarbons – Chapter 19</i>
16 12/10	Hydrocarbons – Required reading Chapter 19
16 12/12	***** UNIT TEST 3 *****
17 12/17	Review Unit Test 3 and The Semester
17 12/19	<u>FINAL EXAM</u> - Room TBA

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CHE 111 LABORATORY SCHEDULE – B216 – General Chemistry Lab
Lab (9:00am – 12:00pm) Tuesday - Pascal

WEEK – DATE(S) – *****LESSON(S)*****

1	9/03	Lab Procedures, Safety & Equipment
	9/03	Measurements in Chemistry
3	9/10	Percent of Water in a Hydrate
4	9/17	Properties of Chemical Substances/Physical or Chemical Changes
5	9/24	Atoms, Molecular Bonds, & Writing Chemical Formulas
6	10/01	***** LAB PRACTICAL 1 *****
7	10/08	Qualitative Analysis & Quantitative Analysis (Chemical Formulas)
8	10/15	Stoichiometry (Mass – Mass) in an Acid/Base Reaction
9	10/22	<i>PROBLEM SOLVING SESSION I</i>
10	10/29	<i>PROBLEM SOLVING SESSION II</i>
11	11/05	Solutions
12	11/12	Acids / Bases – Titration - Electrolytes
13	11/19	Organic / Bio - Chemistry
14	11/26	Open
15	12/03	***** LAB PRACTICAL 2 *****