

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 2012

Dr. Donald David Pascal, Instructor

WEEK – DATE	***** LESSON(S) *****
1 08/28	Orientation / Scientific Method / Required reading – Chapters 1
1 08/30	Chemistry, Matter & Energy – Required reading – Pages 57- 69 of Chapter 3 and Chapter 4
2 09/04	Matter & Energy – Required reading – Chapter 4 Measurements in Chemistry – Required reading – Chapter 2 & pgs 40-56 of Chapter 3
2 09/06	<u>Quiz 1</u> / Measurements in Chemistry – Required reading – Chapter 3
3 09/11	Measurements in Chemistry – Required reading – Chapter 3
3 09/13	Atoms, Elements, Molecules & Compounds – Required reading – Chapters 5 & 18
4 09/18	<u>Quiz 2</u> / Atoms, Elements, Molecule & Compounds cont'd / Electrons and Principle Energy Levels – Required reading – Chapter 5
4 09/20	Electrons Arrangement – Required reading – Chapter 5
5 09/25	<u>Quiz 3</u> / Electron Arrangement –Required reading – Chapter 5 Chemical Bonding – Required reading – pgs 155-165 of Chapter 6 & Chapter 12
5 09/27	Chemical Bonding & Writing Chemical Formulas – Required reading Chapter 6 pgs 155-164 & 7.4 of Chapter 7
6 10/02	***** UNIT TEST 1 *****

WEEK – DATE	***** LESSON(S) *****
6 10/04	The Periodic Table – Required reading – Chapter 6
7 10/09	The Periodic Table – Required reading – Chapter 6 / <u>Quiz 4</u>
7 10/11	The Periodic Table cont'd / Naming inorganic compounds – Required reading – Chapter 7
8 10/16	Naming inorganic compounds cont'd / Calculation of Formula Weights(Molar mass & Molecular mass)-Required reading – Chapter 9 2.10 Chapter 4
8 10/18	<u>Quiz 5</u> / Calculations: Formulas Weight, Moles, Percent Composition, and Empirical Formulas – Required reading Chapters 2 & 9
9 10/23	Chemical Equations – Required reading – Chapter 8
9 10/25	Stoichiometry – Required reading – Chapter 10
10 10/30	<u>Quiz 6</u> / Gases and the Gas Laws – Required reading – Chapter 11
10 11/01	Liquids(Water) & Solids – Required reading – Chapter 13
11 11/06	***** <u>UNIT TEST 2</u> *****
11 11/08	Solutions – Required reading – Chapter 14
12 11/13	Solutions - Required reading – Chapter 14
12 11/15	<u>Quiz 7</u> / Acids, Bases, Electrolytes, Ionization and Ionic Equation Required reading – Chapter 15
13 11/20	Oxidation-Reduction Reactions/Reaction Rates and Chemical Equilibrium – Required reading – Chapters 16 & 17
13 11/22	<i>it's Thanksgiving – No Class</i>
14 11/27	<u>Quiz 8</u> / Organic Chemistry – Required reading – Chapter 20 and Handout

WEEK – DATE	*****LESSON(S)*****
14 11/29	Organic Chemistry – Required reading – Chapter 20 and Handout Biochemical Processes – Required reading Chapter 20 & Handout
15 12/04	<i>Quiz 9</i> / Bio-chemistry cont'd –Hydrocarbons – Chapter 19
15 12/06	Hydrocarbons – Required reading Chapter 19
16 12/11	***** UNIT TEST 3 *****
16 12/13	Review Unit Test 3 and The Semester
17 12/18	<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	8/28	Lab Procedures, Safety & Equipment
2	9/04	Measurements in Chemistry
3	9/11	Percent of Water in a Hydrate
4	9/18	Properties of Chemical Substances/Physical or Chemical Changes
5	9/25	Atoms, Molecular Bonds, & Writing Chemical Formulas
6	10/02	***** LAB PRACTICAL 1 *****
7	10/09	Qualitative Analysis & Quantitative Analysis (Chemical Formulas)
8	10/16	Stoichiometry (Mass – Mass) in an Acid/Base Reaction
9	10/23	<i>PROBLEM SOLVING SESSION I</i>
10	10/30	<i>PROBLEM SOLVING SESSION II</i>
11	11/06	Solutions
12	11/13	Acids / Bases – Titration - Electrolytes
13	11/20	Open
14	11/27	Organic / Bio - Chemistry
15	12/04	***** LAB PRACTICAL 2 *****