

TENTATIVE ACADEMIC SCHEDULE - David Pascal

CHE 111 Concepts of Chemistry

LECTURE: 6:00pm – 9:00pm Monday

LAB: 6:00pm – 9:00pm Wednesday

WEEK – DATE	***** LESSONS *****
1 8/29	Handout Syllabus and Lab Manuals to Students / <u>Lecture</u> : Chemistry and Matter
1 8/29	Chemistry, Matter and Energy – Chaps. 1,2 / Measurements – Chap. 3
1 8/31	LAB: Lab Procedures, Safety & Equipment
2 9/05	Labor Day – No Class
2 9/07	LAB: Measurements in Chemistry
3 9/12	Quiz 1 / Measurements – Required reading - Chap. 3
3 9/14	LAB: Percent of Water in a Hydrate
4 9/19	Quiz 2/ Atoms, Elements, and Compounds – Required reading – Chapters 4 & 18
4 9/21	LAB: Properties of Chemical Substances (Physical or Chemical Changes)
5 9/26	Quiz 3 / Electron arrangement/Chemical bonding and writing chemical formulas – Required reading Chaps 5 & 8
5 9/28	LAB: Atoms, Molecules, Bonding and Chemical Formulas
6 10/03	** UNIT TEST 1 from 6:00pm – 7:20pm **/ Break 7:20pm – 7:40pm / LECTURE: 7:40pm – 9:00pm – The Periodic Table – Required reading – Chap. 7
6 10/05	LAB: Lab Practical 1 (6:00pm – 7:30pm **Break 7:30pm – 7:50pm** LECTURE: *** 7:50pm – 9:00pm ***The Periodic Table – Required reading – Chapter 7
7 10/10	Quiz 4 (Take Home) The Periodic Table – Required reading – Chap. 7 / Naming Inorganic Compounds – Required reading – Chap. 6 / Calculating Formula Weights – Required reading - Chapters 4 & 9
7 10/12	LAB: Qualitative Analysis & Chemical Formulas
8 10/17	Quiz 5/ The Mole / Percent composition / Empirical Formulas / Chemical Equations / Stoichiometry – Required reading – Chapters 4, 9, 10, and 11
8 10/19	LAB: Stoichiometry Mass-Mass) In an Acid/Base Reaction
9 10/24	Quiz 6 / Stoichiometry cont'd / The Gas Laws – Required reading – Chap. 12
9 10/26	LAB: Problem Solving Session I
10 10/31	Gas Laws cont'd / The properties of Water / Liquids and Solids – Required reading – Chapter 13
10 11/02	LAB: Problem Solving Session II
11 11/07	** UNIT TEST 2 from 6:00pm – 7:55pm ** / Break 7:55pm – 8:10pm/ LECTURE: 8:10pm-9:00pm – Solutions – Required reading – Chap. 14
11 11/09	LAB: Solutions
12 11/14	Solutions–Required reading – Chap. 14/Acids and Bases–Required reading – Chap 16
12 11/16	LAB: Acids/Bases / Titration of Commercial Vinegar
13 11/21	Quiz 7/Redox Equations & Chemical Equilibrium-Required reading – Chaps. 15 & 17
13 11/23	LAB: Open Date

14	11/28	Quiz 8 / Organic Chemistry – Biochemistry – Required reading – Chap. 20 - handouts
14	11/30	LAB: Organic & Bio - Chemistry
15	12/05	Quiz 9 / Bio-chemical Mechanisms – The Hydrocarbons - Required reading – Chaps. 20, 19 and Handouts
15	12/07	LAB: Lab Practical II
16	12/12	UNIT TEST III
16	12/14	***** Review Unit Test 3 & Semester*****
17	12/19	FINAL EXAM – 6:00PM – 9:00PM