



Palestine Technical University - Kadoori

Faculty of Applied Sciences

Course Syllabus, 2nd Semester (2016/2017)

Course: (15050105) Practical General Chemistry (1)

Text Book: Lab. Manual for Principles of General Chemistry, J. A. Beran, 9th edition, 2009

Instructors: E. Loway Qasem, Engineering building, 3rd floor, office # 2/28

Academic Year: 2nd semester (2016/2017)

Marking Scheme: Lab reports, including pre- and post-lab assignments 50%, evaluation 10%, Final exam (practical and written) 40%.

Suggested Schedule:

Week	Experiment	Experiment Number	Page	Pre-lab assignment	Post-lab assignment
1	Laboratory Safety and Guidelines	-	1	-	-
2	The balance The density	1 2	15 23	-	-
3	The effect of temperature on solubility	3	29	-	-
4	Percent water in a hydrated salt	4	35	3, 5, 6	1, 2, 4
5	Empirical formulas	5	41	1, 2, 3	1, 2, 3
6	Limiting reactant	6	49	-	-
7	Net ionic equation	7	55	-	-
8	Midterm Exam				
9	A volumetric analysis	8	69	1, 2, 5	1, 3, 5
10	The activity series	9	79	-	-
11	Molar mass of a volatile liquid	10	85	1, 2, 4	1, 2, 6
12	Calorimetry	11	93	1, 4, 6	-
13	Oxidation-Reduction reactions	12	105	1, 2, 3	1, 2, 4
14	Molar volume of carbon dioxide	13	113	1, 6	3, 4, 6, 7
15	Practical Exam, and Final Exam				