



# Palestine Technical University - Kadoori

## Faculty of Applied Sciences

### Course Syllabus, 2<sup>nd</sup> Semester (2016/2017)

**Course:** (15050106) Practical General Chemistry (2)

**Text Book:** Lab. Manual for Principles of General Chemistry, J. A. Beran, 9<sup>th</sup> edition, 2009

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

**Academic Year:** 2<sup>nd</sup> semester (2016/2017)

**Marking Scheme:** Lab reports, including pre- and post-lab assignments 50%,  
, Evaluation 10%, Final exam 40%.

#### Suggested Schedule:

Week	Experiment	Experiment Number	Page	Pre-lab assignment	Post-lab assignment
1	Laboratory safety and guidelines	-	1	-	-
2	Molar Mass of a Solid	14	183	2, 3, 4, 5	1, 4, 5
3	Factors Affecting Reaction Rates	23	265	2, 3, 7	-
4	A Rate Law and Activation Energy	24	275	1, 3, 5	1, 4, 5
5	Aspirin Synthesis and Analysis	19	231	1, 4, 7	2, 3, 4
6	Aspirin Synthesis and Analysis,	19	234	2, 5	8
7	LeChâtelier's Principle; Buffers	16	201	1, 2, 3	1, 4, 5, 8
8	-----				
9	Potentiometric Analyses	18	221	1, 4, 5	2, 4, 6
10	Alkalinity of a Water Resource	20	239	1, 2, 3	1, 6, 8
11	Bleach Analysis	29	325	1, 3, 5	2, 3, 4
12	Molar Solubility; Common-Ion Effect	22	257	1, 2, 6	1, 3, 5
13	Thermodynamics of the Dissolution of Borax,	26	299	1, 2, 4	3, 4, 5
14	Galvanic Cells, the Nernst Equation	32	351	1, 2, 5	1, 4, 7
15	Practical Exam, and Final Exam				

