



Department	Pharmacy
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Course Name	Practical General Chemistry	Course No.	0120142
Prerequisite	General chemistry 0104116	Credit Hours	1
Number & date of course plan approval		Brief Description	See form QF01/0409

(Course Objectives)	1- To give an opportunity for the students to support their theoretical knowledge when they use their own observation. 2- To teach the students how to collect data and interpret their results. 3- To teach the students the various standard techniques used in chemistry and in most other fields of science.				
Course Topics	1. Safety rules. 2. Gravimetric Analysis. 3. Limiting reactant. 4. Volumetric analysis. 5. Enthalpy of reaction 6. Solubility determination. 7. Equilibrium.				
Text Books	Practical General Chemistry, 2 nd edition.				
References	1- Chemistry, The Central Science, Brown , LeMay , Bursten and Murphy , Prentice Hall , 11 th Edition (2009). 2- General chemistry, Ebbing and Gammon, Houghton Mifflin , 9 th edition, 2009. 3- Chemistry, change, McGraw Hill, 9 th edition, 2007. 4-Chemistry, Zumdahl and Zumdahl, Houghton Mifflin, 7 th edition, 2007. 5- Chemistry, The Molecular Nature of Matter and Change, Silberberg, McGraw Hill, 3 rd edition, 2003.				
Grade Determination	1 st Exam=25% 2 nd Exam=25% Final Exam= 50%	(Practical Course Grade Determination)	Course Work =50% (Reports, Term Papers, Quizes) Final Exam = 50%		
Course Outline					
Week	Hours	Subjects		Chapters in Textbook	Notes
01	3	Check in.			



02	3	Instructions and Safety Rules.		
03	3	Density and Chemical observations.		
04	3	Formula of Hydrate		
05	3	Empirical formula of magnesium oxide.		
06	3	Limiting Reactant.		
07	3	Volumetric Analysis –I: acid –base titrations.		
08	3	Volumetric Analysis –II: redox titration		
09	3	Colligative Properties		
10	3	Heat of Neutralization Reaction.		
11	3	Le Chatelier's Principle		
12	3	Determination of an unknown		
13	3	Check out		
14	3	Final Exam		

Approved by Dept. Chair		Date of Approval	
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Extra Information: (Updated every semester and filled by course instructor)

Course Instructor	
Office No.	
Extension	
Email	
Office hours	