

منهاج العملي لمادة الكيمياء العامة

General chemistry- practical syllabus	
week	Details
1	Laboratory instructions
2	Laboratory instruments & glass ware
3	Analytical chemistry
4	Preparation of standard solutions , percentage solutions, molar solutions & dilution methods
5	Normal solutions.
6	Buffer- acid, base.
7	Test
8	Volumetric analysis, standard solution titration, neutralization reaction.
9	Oxidation titration.
10	Perception titration.
11	Coulometer (spectroscopy)
12	Separation & purification of organic compounds ill-ration.
13	Alcohols-identification, reactions.
14	Unknown test
15,16,17,18	Aldehyde & ketoses reactions.
19,20,21	Reactions of carbohydrates & identification of types.
22	Lipids-identifications& reactions.
23	Identification of protein.
24	Nano particles application
25	Blood glucose
26	Unknown test
27	Determination of some elements Ca⁺ , Cl-
28	Cyclic voltammetry experiment
29,30	Applications of nano-chemistry