

**Faculty of Pharmaceutical Sciences & Pharmaceutical
Industries**

Pharmaceutical Analytical Chemistry II

Information :

Course Code : PC 203

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Pharmaceutical Sciences & Pharmaceutical Industries

Description :

This course deals with quantitative analysis of selected samples either individually or in mixtures. It includes; neutralization reactions in aqueous medium [acids & bases, pH , calculation of pH of different electrolytes, buffer solutions, detection of end point]. Complexation reactions (types of complexing agents, detection of end point, cyanometric, mercurimetric and EDTA titrations). Precipitation reactions [detection of end point, argentometric determinations (Mohr`s method, Volhard`s method, Fajan`s method, Leibeg`s method)]. Oxidation – reduction reactions, Nernst equation, factors affecting oxidation potential, detection of end point, permanganometry, iodometry, iodimetry.