

University of Baghdad

College of Pharmacy

Department of Pharmaceutical Chemistry

Title of the course: *Practical Advanced Pharmaceutical*

Analyses

Level: 5th Class, 2nd Semester

Credit hours/week: **1**

Reference text: *Lab Handbook for Advanced Pharmaceutical Analyses Adopted by the Department*

Objectives:

No	Lecture title	hours
1	Introduction & demonstration to visible spectrophotometry.	2
2	Absorption spectra of known colored solution.	2
3	Absorption spectra of unknown colored solution.	2
4	Beer's law plot of known solution.	2
5	Beer's law plot of unknown solution.	2
6	Colorimetric assay of tetracycline (FeCl ₃), known sample.	2
7	Colorimetric assay of tetracycline (FeCl ₃), unknown sample	2
8	Colorimetric assay of tetracycline (acid), known sample.	2
9	Colorimetric assay of tetracycline (acid), unknown sample.	2
10	Colorimetric assay of streptomycin (maltol, known sample).	2
11	Colorimetric assay of streptomycin (maltol, unknown sample).	2
12	Colorimetric assay of streptomycin (oxidized, known sample).	2

13	Colorimetric assay of streptomycin (oxidized, unknown sample).	2
14	Colorimetric assay of tetracycline (basic, known sample).	2
15	Colorimetric assay of tetracycline (basic unknown sample).	2