

University of Al-Anbar

College of Pharmacy

Department of Pharmaceutical Chemistry

Title of the course: *Practical Advanced Pharmaceutical Analyses*

Level: 5th Class, 2nd Semester

Credit hours: **Laboratory 1 credit 2 hours/week**

Tutors:

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

Objectives:

No	Lab 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