

University of Al-Anbar

College of Pharmacy

Department of Pharmacognosy

Title of the course: ***Practical Pharmacognosy II***

Level: 3rd Class, 1st Semester

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

Tutors:

Reference text: ***Special curriculum prepared for this purpose.***

Objectives: To enable students practicing the techniques of extraction, separation, and identification of constituents isolated from natural sources, using microscopes and chromatographic methods.

No	Lab title	hours
1.	Cardio-active glycosides	1
2.	Anthraquinone glycosides.	1
3.	Saponin glycosides.	1
4.	Tannins.	1
5.	Volatile oils	1
6.	Isolation of piperine from black pepper.	1
7.	Isolation of belladonna alkaloids and their identification.	1
8.	Isolation of caffeine from tea.	1
9.	Isolation of <i>Peganum harmala</i> alkaloids.	1
10.	Preparation of Khellin.	1
11.	Flavonoids of <i>Ruta graveolens</i> .	1
12.	Extraction of hesperidin.	1
13	Isolation of pectin.	1
14	Isolation of citric acid from lemon juice.	1
15.	Isolation of Podophyllotoxin from <i>Podophyllum emodi</i> ; Isolation of Rotenone from <i>Lonchocarpus</i> Spp.	1