

## (Module Name) Course Catalogue

### 2023-2024

College	Erbil polytechnic university	
Department	Pharmacy	
Module Name	Pharmacognosy	
Module Code		
Semester	4	
Credit		
Module type		
Weekly hours	10	
Weekly hours (Theory)	( 4)hr Class	
Weekly hours (Practical)	( 6)hr Class	
Lecturer (Theory)	Deren Nabaz Faesal	
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Lecturer (Practical)	Deren Nabaz Faesal	
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## Course Book

<p>- <b>Course overview:</b> Pharmacognosy covering all information on medicine from natural sources</p>
<p>- <b>Course objective:</b> <b><u>- How we can classify crude drugs in order to study them.</u></b> <b><u>To know the botanical name, who you can write it, some types of natural products, chemical constituents, pharmacologic activity and dosage forms if available.</u></b></p>
<p><b>12. Student's obligation</b> This is divided into two parts: 1- Theory: student must be careful on his availability in the class because there will be explanation and translating all contents of the lecture also mentioning type of the questions that come in the exams in each parts of the lecture. 2- practical: also the same as point 1 (availability in the Lab.) because here we will do everything practically and student will prepare extraction active compounds in plants with chemical substances, glasses, laboratory instruments ...etc . also student must be careful about chemical substances and glasses ..... etc. because some of these chemicals are dangerous. also student must ware lab. dress and some time use glasses during preparation.</p>
<p>- <b>Forms of teaching</b> <b>Theory:</b> lecture halls with computers equipment for lecture presentations, white board, overhead projector, posters <b>Laboratory practice:</b> balance for weighing, dropper for drug administration, gloves, white coat,, white board, computer with equipment for PowerPoint presentations, posters <b>General:</b> library, computer suite with internet access</p>
<p>- <b>Assessment scheme</b> 20% Mid. Theory exam 20% Mid. practical exam 5% Quiz 25% Activity 15% final practical 15% final theory</p>
<p>- <b>Specific learning outcome:</b> During their study the students purchase knowledge about the pharmacognosy of drugs and how</p>

to extraction active compound and dosage form and side effect for any compound		
<p><b>Course Reading List and References:</b>  <b>Sagar S, Kaur M, Minneman KP. Antiviral lead compounds from marine sponges. Mar Drugs 2010;8:2619–2638. doi:10.3390/md8102619</b>  <b>Ahmad I, Aqil F, Owais M. Modern Phytomedicine: Turning Medicinal Plants into Drugs. Weinheim: Wiley-VCH;2006. doi: 10.1002/9783527609987</b></p>		
<b>- Course topics (Theory)</b>	<b>Week</b>	<b>Learning Outcome</b>
Glycoside	4-2-2024	Covering all information glycoside
Cardic glycoside	11-2-2024	Talk about some important plant when have cardiac
Strophanthus and digitals	18-2-2024	Important point should be taken in drugs
Extraction	25-2-2024	Methods and preparation
Cold extraction	3-2-2024	way and which plant taken this ways
Hot methods	10-3-2024	Which plant needs hot to extraction
IMPORTANT PLANTS	24-3-2024	Therapeutic and medical use
Medical and therapeutic uses carbohydrate	31-3-2024	To know in which solvent and which method to extract
Midterm exam	7-4-2024	In which plant have more
Vitamin	14-4-2024	To know important
Benedict's test practical	21-4-2024	To isolate and pure
THYMUS VULGARIS	28-4-2024	Dosage form plant
Tannin define and chemical and physical properties	5-5-2024	In which plant have

Types of fixed oil ,fats, and wax	12-5-2024	In which part have
Volatile oil define practical	19-5-2024	Define and chmecal and physical
Methods of isolation and evaluation and identification	26-5-2024	Structural comparison among them
Evaluation of lipids	2-6-2024	Method to isolation
Review	9-6-2024	
- Practical Topics (If there is any)	Week Learning	Outcome
<p>- <b>Examinations (question design):</b></p> <p><b>Q1)A\Answer True or False and correct the answer :- (10)</b></p> <p><b>B \Answer the followings. (6mark)</b></p> <p><b>Q2) Write thetherapitic uses and ways to extraction.</b></p> <p><b>B ) Comparison between maceration and infusion.</b></p>		