

## (Module Name) Course Catalogue

### 2023-2024

<b>College</b>	Erbil polytechnic university	
<b>Department</b>	Pharmacy	
<b>Module Name</b>	Pharmacognosy	
<b>Module Code</b>		
<b>Semester</b>	3	
<b>Credit</b>		
<b>Module type</b>		
<b>Weekly hours</b>	10	
<b>Weekly hours (Theory)</b>	( 4 )hr Class	
<b>Weekly hours (Practical)</b>	( 6 )hr Class	
<b>Lecturer (Theory)</b>	Deren Nabaz Faesal	
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<b>Lecturer (Practical)</b>	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> <u>- How we can classify crude drugs in order to study them.</u> <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></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>
Define pharmacognosy and information about	3-9-2023	Covering all information
Important plant	18-9-2023	Talk about some important plant when have therapeutic uses
Another important plants	25-9-2023	Talk about some important plant when have therapeutic uses
Microscopically identification of drugs	2-10-2023	Methods and preparation
Epidermal trichomes	9-10-2023	way and which plant taken this trichoms and function
Cell content	16-10-2023	What have in cell and how identify
starch	23-10-2023	Therapeutic and medical use
Practical to making slide starch	30-10-2023	To know in which solvent and which method to extract
Exam midterm	5-11-2023	In which plant have more
Preparation to making slide trichoms	12-11-2023	To know important
seminar	19-11-2023	
Tannin	26-11-2023	In which plant have
define and chemical and physical properties	3-12-2023	In which plant have

Types of fixed oil ,fats, and wax	10-12-2023	In which part have
Review	17-12-2023	Define and chmecal and physical
<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>		