



مركز ضمان جودة واعتماد مؤسسات التعليم العالي
اسم الجامعة / جامعة سبها

اسم الكلية / كلية الصيدلة اسم القسم العلمي / علم الأدوية والسموم

دليل المعايير والمتطلبات الأكاديمية لمقرر

رمز المقرر: PH208

اسم المقرر: علم الأدوية

1- General information:

1	Program offered the course	Pharmacology and Toxicology
2	Course type	Specialty
3	Course name	Pharmacology
4	Course code	PH208
5	Pre-requisite requirement	Pharmacology 1&2
6	Course year	Second Year
7	Educational hours	6 hours /week
8	Instruction language	English
9	Teacher's course	Dr. Omar Saad Saleh Abrika
10	Date of course approval	12\2022

1.1-Number of hours per week

Theoretical laboratory training Total



2- Course objectives:

The student will have reliably demonstrated the ability to:

- ✓ Classify major classes of drugs and major compounds within each class.
- ✓ Explain the Pharmacodynamic principles underlying the therapeutic and adverse effects of drugs.
- ✓ Explain how the pharmacokinetics parameters contribute to individualizing drug dosages.
- ✓ Apply the knowledge of adverse effects, precautions, contraindications, and toxicities of various drug classes in various clinical conditions.
- ✓ Relate pharmacological actions to therapeutic uses of individual group of drugs.
- ✓ Translate the pharmacological principles into therapeutic decisions.

3- Targeted learning outcomes of pharmacology Intellectual skills in

a- Knowledge and Understanding

1	To provide efficient knowledge of fundamental concepts of Pharmacology.
2	Analysis and problem solving capability in the field of pharmaceutical sciences.
3	To develop professional skills in the area of pharmacological sciences to meet global demand and look for opportunities in Pharmaceutical industries.
4	Analysis Analytical skills are extremely important to the daily responsibilities of a pharmacologist.
5	Communication skills are important for both clinical and experimental pharmacologists. ...

b- Intellectual skills

1	Explain and apply the core theories, concepts, and processes of Pharmacology .
2	Apply Pharmacology-specific information to abstract models and/or theories.
3	Communication skills are important for both clinical and experimental pharmacologists
4	Medical knowledge, Research skills and Science knowledge .
5	Apply the knowledge of the basic biomedical sciences (e.g., physiology, biochemistry, genetics,



c- Practical and professional skills:

1	To provide efficient knowledge of fundamental concepts of Pharmacology.
2	Analysis and problem-solving capability in the field of pharmaceutical sciences.
3	To develop professional skills in the area of pharmacological sciences to meet global demand and look for opportunities in pharmaceutical industries.
4	Expert knowledge of lab procedures ...
5	Good written and verbal communication.

d- General and transferable skills:

1	Explain and apply the core theories, concepts, and processes of Pharmacology.
2	Apply Pharmacology-specific information to abstract models and/or theories.
3	Apply the knowledge of the basic biomedical sciences (e.g., physiology, biochemistry, genetics, pathology) to the evaluation of drug actions.
4	Analytical thinking
5	Research skills

4- Course content:

laboratory/ training	Number of hours	Number of lectures	Scientific subject	No
0	3	1	Introduction to the Patient Care Process:	1
0	2	1	Principles of Patient Assessment	2
2	3	2	Critical care assessment	3
0	2	1	Drug interactions and adverse drug reactions	4
0	2	1	Drug therapy in special populations: Pregnancy, Lactation, Pediatric, Geriatric	5
2	4	2	Drug management of endocrine disorders: Diabetes Mellitus	6
2	2	1	Hypertension:	7
2	2	1	Heart Failure:	8



2	2	1	Coronary heart disease:	9
2	2	1	Thrombosis	10
2	2	1	Stroke	11
2	2	1	Drug management of respiratory disorders: Asthma	12
2	2	1	Chronic Obstructive Pulmonary Disease:	13
2	2	1	Drug management of neurological disorders: Epilepsy	14
2	2	1	Drug management of bone and joint disorders: Osteoporosis & Rheumatoid arthritis	15
2	2	2	Drug management of infectious diseases:	16
2	2	1	CNS infection:	17
0	2	1	Oncology introduction	18
2	2	2	Leukemia and lymphoma	19
2	2	2	Drug management anemia	20

5- Teaching and learning methods:

1. Lectures, power point
2. seminars
3. case presentation
4. Training, clinical clerkship

6- Assessment methods:

Notes	Percentage (%)	Assessment date	Assessment methods	No
	15%	Along on the year	Class activities, case presentation, seminar, attendance, home work, clinical requirements	1
	15%	After 6 months	Mid-term assessment	2
	40%	End of the year	Final written exam	3
	10%	End of the year	Final oral exam	4
	20%	End of the year	Final clinical exam	5
	100		Total	



7- Assessment table:

Date	Assessment methods	Number of assessment
Along on the year	Class activities	1st assessment
Through the year	Case presentation	2nd assessment
Through the year	Seminar	3rd assessment
Along on the year	Attendance	4th assessment
Along on the year	Home work	5th assessment
Along on the year	clinical requirements	6th assessment
After 6 months	Mid-term assessment	7th assessment
End of the year	Final exam	8th assessment
End of the year	Oral exam	9th assessment
End of the year	Clinical exam	10th assessment

8- Reference and textbooks required for this course:

Where to be	Author	Edition	Publisher	Reference type	Reference title	No
Online internet	Lynch Brightman, Greenberg,	9th	none		Patient Assessment in Clinical Pharmacy	1
Online internet	Marry Anne Koda-Kimble	9th	none		Applied Therapeutics: The Clinical Use of Drugs.	2
College library	Joseph T. DiPiro et al. Appleton & Lange	7th	none		Pharmacotherapy: A Pathophysiologic approach -	3



9- The capabilities required to implement the course:

No	The capabilities required	Notes
1	Lectures hall	+
2	Curriculum	+
3	Laptop	+
4	Data show	+
5	Internet	+
6	College library	+
7	Clinical training : Clerkship facilities	+
8	Patients records	+

10- Suggested plans to implement to develop and improve the course:

Clause	Action
a- Strategies for obtaining feedback from students regarding the effectiveness of course teaching.	Student questioners
	Visitors
	Goole Classroom note and assignments
	Accessibility of Voice video lecture
	Office hours for student enquires for difficulties of understanding
b-Other strategies for evaluation and developing the teaching process by lecturer, department and quality committee.	Presentation student
	Assignments
	Regular quizzes
	Tutorial activities

Course coordinator: Dr Mustafa Ali Alssageer

Program coordinator:

Head of department: Mustafa Alssageer

Date: 2023



مصنوفة المقرر الدراسي (اسم المقرر الصيدلة السريرية)

d- General and transferable skills					c- Practical and professional skills					b- Intellectual skills					a- Knowledge and understanding					Week
d.5	d.4	d.3	d.2	d.1	c.5	c.4	c.3	c.2	c.1	b.5	b.4	b.3	b.2	b.1	5a.	a.4	a.3	a.2	a.1	
X	X	X	X	X		X	X	X	X					X				X	X	1
X	X	X	X	X		X	X	X	X				X				X	X		2
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			3
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			4
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			5
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			6
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			7
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			8
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			9
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			10
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			11
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			12
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			13
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			14
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			15
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X	*		16



d- General and transferable skills					c- Practical and professional skills					c- Intellectual skills					a- Knowledge and understanding					Week
d.5	d.4	d.3	d.2	d.1	c.5	c.4	c.3	c.2	c.1	b.5	b.4	b.3	b.2	b.1	a.5	4a.	a.3	2a.	a.1	
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			17
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			18
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			19
X	X	X	X	X		X	X	X	X	X	X	X			X	X	X			20
Mid-term																				
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d- General and transferable skills					c- Practical and professional skills					d- Intellectual skills					a- Knowledge and understanding					Week
d.5	d.4	d.3	d.2	d.1	c.5	c.4	c.3	c.2	c.1	b.5	b.4	b.3	b.2	b.1	5a.	a.4	a.3	a.2	a.1	
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Final exam (written+ oral+ clinic)																				

