

Academic Program Description Form

University Name: University of Warith Alanbiyaa

Faculty/Institute: College of Medicine

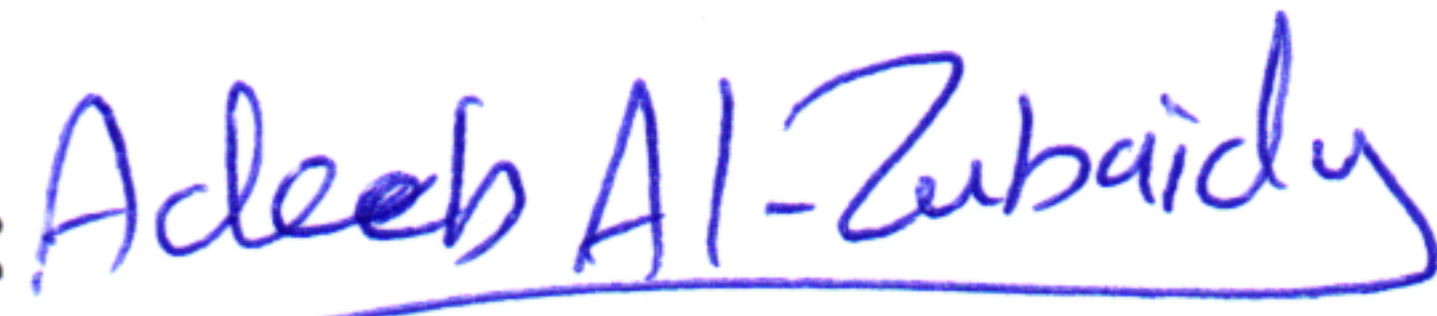
Scientific Department: Pharmacology

Academic or Professional Program Name: WFME

Final Certificate Name: MBChB

Academic System: yearly

Description Preparation Date: 2025-8-25

signature: 

signature: 

Head of Department:

Assistant Dean for Scientific Affairs :

Prof. Dr. Adeeb Al-Zubaidy

Assist. Prof. Dr. Laith M. Abbas

Date: 25-8-2025

Date: 25-8-2025

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance

Department:

Prof. Dr. Ali Al-Musawi

Signature: 

Date: 25.8.2025


Approval of the Dean
الاستاذ الدكتور
علي عبد العزيز
الغزوي
رئيس كلية الطب



Ministry of Higher Education and Scientific Research
University of Warith Al-Anbiyaa
College of Medicine

Academic Program and Course Description Guide

۲۰۲۵-۲۰۲۶

Course Description Form

1. Course Name:	
Pharmacology	
2. Course Code:	
3. Semester / Year:	
YEAR	
4. Description Preparation Date:	
٢٠١٨-٢٠٢٠	
5. Available Attendance Forms:	
Physically	
6. Number of Credit Hours (Total) / Number of Units (Total)	
٩٠ hours	
7. Course administrator's name (mention all, if more than one name)	
Prof. Dr. Adeeb Ahmed Al-Zubaidy Lect. Dr. Alaa Ghazi Hamid Assist. Prof. Dr. Laith Mohammed Abbas Assist. Prof. Dr. Saad Baddai Nashtar Assist. Prof. Dr. Ali Kadhim Challab	
8. Course Objectives	
Course Objectives	١- To recognize various types of drugs and their therapeutic uses in line with the latest curricula in pharmacology and therapeutics ٢- To be up-to-date with scientific advancements in this field.
9. Teaching and Learning Strategies	
Strategy	<ul style="list-style-type: none"> ● Delivering theoretical lectures using available presentation techniques such as projectors and smart boards. ● Utilizing e-learning in the laboratory for interactive learning experiences
10. Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
		<ul style="list-style-type: none"> 1- Providing basic information about clinical pharmacology 2- Building a broad knowledge base and understanding of various types of medications. 3- Developing skills for acquiring information. 4- Encouraging and train students on how to deal with scientific facts relate to this field. 5- Encouraging students to deduce, interpret, present, and discuss results. 			

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	- Lippincott Illustrated Review of Pharmacology
Recommended books and references (scientific journals, reports...)	-Katzung Basic and Clinical Pharmacology
Electronic References, Websites	https://www.drugs.com/

Program Structure:

Academic Stage	Name of the Unit	Credit Hours	
		Theory	Practical
First Stage	Unit One: Cell Structure and Function	17 hrs	2 hrs

Syllabus

Pharmacology

Unit ... (1)	Subjects	Duration (hrs)	Lecturer
1	Introduction to Pharmacology	1	Dr. Alaa Ghazi
2	The cell as a target for drug action	1	Dr. Alaa Ghazi
3	Pharmacodynamics (molecular targets)	1	Dr. Alaa Ghazi
4	Pharmacodynamics (drug response)	1	Dr. Alaa Ghazi
5	Drug-drug interaction	1	Dr. Alaa Ghazi
6	Pharmacokinetics: Drug administration	1	Dr. Alaa Ghazi
7	Pharmacokinetics: Drug absorption	1	Dr. Alaa Ghazi
8	Pharmacokinetics: Drug bioavailability	1	Dr. Alaa Ghazi
9	Pharmacokinetics: Drug distribution	1	Dr. Alaa Ghazi
10	Pharmacokinetics: Drug metabolism	1	Dr. Alaa Ghazi
11	Pharmacokinetics: Drug excretion	1	Dr. Alaa Ghazi
12	Drug dosing regimen	1	Dr. Alaa Ghazi
13	Drug safety and bioequivalence	1	Dr. Alaa Ghazi
Practical (Lab)			
Lab. 1	Dosage form	2	Assist.Prof. Dr. Saad Baddei
Lab. 2	Routes of drugs administration	2	Assist. Prof. Dr. Ali Kadhim

Academic Stage	Name of the Unit	Credit Hours	
Second Stage	Unit Three: Musculoskeletal System	Theory 17 hrs	Practical -----

Syllabus

Pharmacology

Unit... (3)	Subjects	Duration (hrs)	Lecturer
1	General pharmacology of NSAIDs	1	Assist. Prof. Dr. Ali kadhim
2	Pharmacology of aspirin, paracetamol, and other NSAIDs	1	Assist. Prof. Dr. Ali kadhim
3	Opioids	2	Assist. Prof. Dr. Saad Baddei
4	Pharmacology of immunosuppressant	1	Assist. Prof. Dr. Laith Mohammad
5	Pharmacology of DMARDs	1	Ass. Prof Dr. Ali kadhim
6	Local anesthesia	1	Assist. Prof. Dr. Saad Baddei
7	Treatment of osteoporosis	1	Assist. Prof. Dr. Ali kadhim
8	Anticancer drugs	2	Assist. Prof. Dr. Laith Mohammad
9	Adrenocorticosteroids	2	Prof. Dr. Adeb Al-Zubaidy

Academic Stage	Name of the Unit	Credit Hours	
Second Stage	Unit Four: Blood	Theory	Practical
		0 hrs	-----

Syllabus

Pharmacology

Unit... (4)	Subjects	Duration (hrs)	Lecturer
1	Anemia	1	Lecturer Dr. Alaa Ghazi
2	Acute lymphoblastic leukemia	1	Lecturer Dr. Alaa Ghazi
3	Chronic myelogenous leukemia	1	Lecturer Dr. Alaa Ghazi
Σ	Treatment of bleeding	1	Lecturer Dr. Alaa Ghazi
0	Lymphoma	1	Lecturer Dr. Alaa Ghazi

Academic Stage	Name of the Unit	Credit Hours	
Second Stage	Unit Five: Cardiovascular system	Theory	Practical
		14 hrs	-----

Syllabus

Pharmacology

Unit... (5)	Subjects	Duration (hrs)	Lecturer
1	Autonomic nervous system	Σ	Prof. Dr. Adeeb Al-Zubaidy
2	Antiarrhythmic drugs	Σ	Prof. Dr. Adeeb Al-Zubaidy
3	Drugs used for myocardial infarction	2	Prof. Dr. Adeeb Al-Zubaidy
Σ	Anti-hyperlipidemia	1	Prof. Dr. Adeeb Al-Zubaidy
ο	Diuretics & antihypertensive drugs	2	Prof. Dr. Adeeb Al-Zubaidy
6	Inotropic agents & heart failure	2	Prof. Dr. Adeeb Al-Zubaidy
V	Anticoagulants, thrombolytics, & their inhibitors	2	Prof. Dr. Adeeb Al-Zubaidy

Academic Stage	Name of the Unit	Credit Hours	
Second Stage	Unit Six: Respiratory system	Theory V hrs	Practical -----

Syllabus			
Pharmacology			
Unit... (6)	Subjects	Duration (hrs)	Lecturer
1	Management of bronchial asthma	2	Lecturer Dr. Alaa Ghazi
2	Asthma & Chronic obstructive pulmonary diseases	2	Lecturer Dr. Alaa Ghazi
3	Antibiotics for pneumonia	2	Lecturer Dr. Alaa Ghazi
4	Management of lung cancer	1	Lecturer Dr. Alaa Ghazi

Academic Stage	Name of the Unit	Credit Hours	
Third Stage	Unit Seven:	Theory	Practical

	Gastrointestinal tract	Λ hrs	-----
--	------------------------	-------	-------

Syllabus			
Pharmacology			
Unit... (7)	Subjects	Duration (hrs)	Lecturer
1	Peptic ulcer & Prokinetic drugs	2	Assist. Prof. Dr. Laith Mohammad
2	Anti- emetics, IV fluid, ORS	1	Assist. Prof. Dr. Laith Mohammad
3	Anti- infectious drugs, antiamebic drugs, antihelminthic drugs	1	Assist. Prof. Dr. Laith Mohammad
Σ	Inflammatory bowel diseases; Irritable bowel disease	1	Assist. Prof. Dr. Laith Mohammad
ο	Treatment of colorectal carcinoma; Laxative & purgative	1	Assist. Prof. Dr. Laith Mohammad
7	Management of obesity	1	Assist. Prof. Dr. Ali kadhim
V	Management of viral hepatitis	1	Lecturer Dr. Alaa Ghazi

Academic Stage	Name of the Unit	Credit Hours	
		Theory	Practical
Third Stage	Unit Eight: Genitourinary system	Λ hrs	-----

Syllabus

Pharmacology

Unit... (8)	Subjects	Duration (hrs)	Lecturer
1	Diuretics	1	Prof. Dr. Adeeb Al-Zubaidy
2	Chemotherapy for bladder cancer	1	Assist. Prof. Dr. Saad Baddei
3	Management of BPH Management of prostate cancer	1	Assist. Prof. Dr. Ali kadhim
	Role of kidney in pharmacokinetics Drug prescribing in renal impairment	1	Assist. Prof. Dr. Ali kadhim
Σ	Pharmacology of male infertility Pharmacology of female infertility	1	Assist. Prof. Dr. Saad Baddei
ο	Hormonal contraception	1	Prof. Dr. Adeeb Al-Zubaidy
7	Chemotherapy of breast cancer	2	Assist. Prof. Dr. Ali kadhim

Academic Stage	Name of the Unit	Credit Hours	
Third Stage	Unit Nine: Central nervous system	Theory	Practical
		11 hrs	-----

Syllabus

Pharmacology

Unit... (9)	Subjects	Duration (hrs)	Lecturer
1	Management of multiple sclerosis	1	Lecturer Dr. Alaa Ghazi
2	Management of bacterial meningitis Management of fungal meningitis	1	Lecturer Dr. Alaa Ghazi
3	Antiepileptic drugs	2	Lecturer Dr. Alaa Ghazi
4	Management of CVA	1	Lecturer Dr. Alaa Ghazi
5	Parkinson disease	1	Lecturer Dr. Alaa Ghazi
6	Alzheimer disease	1	Lecturer Dr. Alaa Ghazi
7	Antidepressant drugs	2	Lecturer Dr. Alaa Ghazi
8	Antipsychotic drugs & Lithium	2	Lecturer Dr. Alaa Ghazi

Academic Stage	Name of the Unit	Credit Hours	
Third Stage	Unit Ten: Endocrinology	Theory	Practical
		5 hrs	-----

Syllabus Pharmacology			
Unit... (10)	Subjects	Duration (hrs)	Lecturer
١	Pharmacology of growth hormone	١	Prof. Dr. Adeeb Al-Zubaidy
٢	Pharmacology of thyroid gland	١	Prof. Dr. Adeeb Al-Zubaidy
٣	Pharmacology of ACTH, Gonadotrophin, & Oxytocin	١	Prof. Dr. Adeeb Al-Zubaidy
٤	Antihyperglycemic agents	٢	Prof. Dr. Adeeb Al-Zubaidy