

Ministry of Higher
Education
And Scientific Research
University of Basrah



College of Pharmacy
Department: Pharmacology
and Toxicology
Stage: 3

Course Syllabus

Name of the First Teacher of the Course: Zainab Haroon Ahmed

Academic Rank: Lecturer

Degree: Ph.D. in pharmacology and toxicology

Email: ausama1979@yahoo.com

Name of the Second Teacher of the Course: Azhar yones

Academic Rank: Asst. Lecturer

Degree: M.Sc. in pharmacology

Email:

Name of the Third Teacher of the Course: Shemaa Nadem

Academic Rank: Asst. Lecturer

Degree: M.Sc. in pharmacology

Email:

Course Title	Pharmacology1				
Academic System	Semester				
Course Objective	Introduction to pharmacology including effect of drugs on the body and effect of body on drugs in addition to antibiotics study				
Textbooks	<ul style="list-style-type: none"> ❖ ❖ ❖ ❖ ❖ 				
Reference Books	<ul style="list-style-type: none"> ❖ Lipincott Pharmacology latest Edition ❖ ❖ ❖ 				
Course Assessment for Semester System (100%)	Theoretical Content Exam	Laboratory Work	Quizzes	Project	End Semester Examination
	25	-----	5	-----	70
Additional Information					

Weekly Schedule

Week	Theoretical Content	Laboratory Work	Notes
1	General introduction to Pharmacology.		
2	Pharmacodynamics.		
3	Pharmacokinetics.		
4	Drug Receptor interaction and		
5	The autonomic nervous system (ANS).		
6	The autonomic nervous system (ANS).		
7	Cholinergic system.		
8	Adrenergic system.		
9	Principal of antimicrobial therapy.		
10	β - lactam and other cell wall synthesis inhibitor antibiotics		
11	Protein synthesis inhibitors		
12	Quinolones, Folate antagonists,		
13	Antimycobacterium drugs		
14	Antifungal drugs.		
15	Antiprotozoal drugs.		
16	Anthelmintic drugs.		
17	and urinary tract antiseptics.		

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College of Pharmacy
Department: Pharmacology
and Toxicology
Stage: 4

Course Syllabus

Name of the First Teacher of the Course: Ausama Ayob Jaccob

Academic Rank: Asst. Prof.

Degree: Ph.D. in pharmacology and toxicology

Email: ausama1979@yahoo.com

Name of the Second Teacher of the Course: Zainab Haroon Ahmed

Academic Rank: Lecturer

Degree: M.Sc. in pharmacology

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Name of the Third Teacher of the Course: Shemaa Nadem

Academic Rank: Asst. Lecturer

Degree: M.Sc. in pharmacology

Email:

Course Title	Pharmacology2				
Academic System	Semester				
Course Objective	Introduction for CNS pharmacology and systematic drug effects including CVS, GIT and respiratory tract				
Textbooks	<ul style="list-style-type: none"> ❖ ❖ ❖ ❖ ❖ 				
Reference Books	<ul style="list-style-type: none"> ❖ Lipincott Pharmacology latest Edition ❖ Lab Manual for Practical Pharmacology Adopted by the Department ❖ ❖ ❖ 				
Course Assessment for Semester System (100%)	Theoretical Content Exam	Laboratory Work	Quizzes	Project	End Semester Examination
	20	25	5		50
Additional Information					

Weekly Schedule

Week	Theoretical Content	Laboratory Work	Notes
1	Introduction to CNS pharmacology	Routs of drug administration	
2	CNS stimulants	Onset and duration of drugs (Barbiturates)	
3	Anxiolytic and Hypnotic drugs	Absorption and excretion of drugs	
4	General and Local .Anesthetics	Effect of parasymphomimetics on gland secretions	
5	Antidepressant drugs	Drugs and human eye.	
6	Antipsychotic (neuroleptic) drugs	The effects of drugs on IOP rabbits	
7	Opioid analgesics and antagonists	Evaluation of opioid analgesics	
8	Treatment of neurodegenerative .diseases	Evaluation of NSAIDs	
9	Antiepileptic Drugs	Evaluation of anti-parkinsonian drugs	
10	Diuretics	Evaluation of anti- convulsant drugs	
11	The treatment of (heart failure (HF	The effects of drugs and their antagonists on isolated rats ileum	
12	Antiarrhythmic .drugs	The effects of drugs and their antagonists on isolated rabbits ileum	
13	Antianginal Drugs	Routs of drug administration	
14	Antihypertensive .drugs	Onset and duration of drugs (Barbiturates)	
15	Drugs affecting the .blood		
16	Antihyperlipidemic .drugs		
17	Gastrointestinal and .antiemetic drugs		
18	Drugs acting on the respiratory system		

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College of Pharmacy
Department: Pharmacology
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Stage: 4

Course Syllabus

Name of the First Teacher of the Course: Ausama Ayob Jaccob

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Degree: Ph.D.

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Name of the Second Teacher of the Course: Maesaa Bani

Academic Rank: Asst. Lecturer

Degree: M.Sc.

Email:

Name of the Third Teacher of the Course: Zainab Najem

Academic Rank: Asst. Lecturer

Degree: M.Sc.

Email:

Course Title	Pharmacology3				
Academic System	Semester		Academic		
Course Objective	Illustrate endocrine pharmacology, Cancer and chemotherapy				
Textbooks	❖ ❖ ❖				
Reference Books	❖ Lipincott Pharmacology latest Edition ❖ ❖ ❖				
Course Assessment for Semester System (100%)	Theoretical Content Exam	Laboratory Work	Quizzes	Project	End Semester Examination
	25	-----	3	2	70
Course Assessment for Annual System (100%)	First Term	Midterm Exam	Second Term	Lab Work	Final Examination
Additional Information					

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College of Pharmacy
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Stage: 4

Course Syllabus

Name of the First Teacher of the Course: Ausama Ayob Jaccob

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Name of the Second Teacher of the Course: Rasool Chaloob Hlel

Academic Rank: Asst. Lecturer

Degree: M.Sc. in pharmacology and toxicology

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Name of the Third Teacher of the Course: Hassan mahmood

Academic Rank: Asst. Lecturer

Degree: M.Sc. in toxicology

Email:

Course Title	General toxicology				
Academic System	Semester				
Course Objective	Understanding the mechanism of toxicity of different toxins, chemicals, drugs overdose and explaining the general principles of toxicity				
Textbooks	❖ Gossel TA, Bricker TD, (Eds.); Principles of Clinical Toxicology; latest edition				
Reference Books	❖ Casarett and Doull, Toxicology, the Basic Science of Poisons; latest edition. ❖ Lab Manual for Practical General Toxicology Adopted by the Department. ❖				
Course Assessment for Semester System (100%)	Theoretical Content Exam	Laboratory Work	Quizzes	Project	End Semester Examination
	20	25	5		50
Additional Information					

Weekly Schedule

Week	Theoretical Content	Laboratory Work	Notes
1	Introduction: general consideration; host factor	General introduction to practical toxicology.	
2	environmental factors .of toxic effects	Acute toxicity study, determination of LD50.	
3	.Carcinogenesis	Drug toxicity on liver.	
4	:Mutagenesis	Drug toxicity on liver.	
5	Target organs and systemic toxicology	Pesticide toxicity.	
6	,Respiratory system, Liver	Metal toxicity	
7	,Kidney, Skin	Metal toxicity	
8	,Nervous system	Drug-induced toxicity.	
9	.cardiovascular system, Blood	Nicotine toxicity.	
10	Toxic substances: Food additive and contaminants	Blood toxicity.	
11	,Pesticides, Metals	Blood toxicity.	
12	Radiation and radio active materials		
13	,plants, Solvents		
14	Environmental toxicology: Air ,pollution		
15	,water and soil pollutants		
16	Gases (Tear gas, Pepper spray), ,CO		
17	.(Cyanide(H ₂ S		

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College of Pharmacy
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Stage: 5

Course Syllabus

Name of the First Teacher of the Course: Ausama Ayob Jaccob

Academic Rank: Asst. Prof.

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Name of the Second Teacher of the Course: Rasool Chaloob Hlel

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Degree: M.Sc. in pharmacology and toxicology

Email:

Name of the Third Teacher of the Course: Maesaa Bani

Academic Rank: Asst. Lecturer

Degree: M.Sc. in pharmacology

Email:

Course Title	Clinical toxicology				
Academic System	Semester				
Course Objective	Understanding the toxicity of different drugs on human regarding toxic signs and treatment with antidote.				
Textbooks	❖ Casarett and Doull, Toxicology, the Basic Science of Poisons; latest edition.				
Reference Books	❖ Gossel TA, Bricker TD, (Eds.); Principles of Clinical Toxicology; latest edition. ❖ Viccellio P, (Ed.); Handbook of Medicinal Toxicology; latest edition. ❖ ❖ ❖				
Course Assessment for Semester System (100%)	Theoretical Content Exam	Laboratory Work	Quizzes	Project	End Semester Examination
	20	25	5		50
Additional Information					

Weekly Schedule

Week	Theoretical Content	Laboratory Work	Notes
1	Initial Evaluation and Management of the Poisoned Patient	Laboratory Principles or Toxicological Screening.	
2	pediatric poisoning and special consideration in the geriatric patient	Over the counter drugs: Case on Acetaminophen poisoning	
3	Drug Toxicity: Over the counter ;drugs; caffeine; theophylline	Salicylates; evaluation of urine salicylates.	
4	antihistamine and decongestant; non-steroidal ;anti-inflammatory drugs .vitamins	Urine analysis of toxins and chemicals.	
5	Prescription Medications: Cardiovascular drugs; beta blockers; ACE	Cardiac glycosides toxicity: Digitalis.	
6	Digoxin; Calcium channel ;blocker; Antiarrhythmic agents	Cases on toxicity with foods and dietary supplements.	
7	hypoglycemic drugs; Opioids; CNS depressants	Identification of some common poisons in biological samples:	
8	tricyclic antidepressants; anti-cholinergic phenothiazines; CNS .stimulant	Arsenic; cyanide; strychnine	
9	Drug of Abuse: Opioids; Cocaine; phencyclidine	Salicylates; Phenothiazine derivatives; barbiturates	
10	.marijuana; Lysergic acid	Evaluation of cases of toxicity with anti-parkinsonian drugs.	
11	Chemical and Environmental Toxins: Hydrocarbons; Household	Evaluation of drug toxicity on human.	
12	toxins; Antiseptic; Disinfectants; Camphor; moth .repellents		
13	Botanicals and plants-derived :toxins		
14	Herbal preparation; Toxic ;plants		
15	.Poisonous mushrooms		

