



بناء المنهج الدراسي لمادة علم الادوية للعام الدراسي 2025-2026

Part one

1. Target Audience

Third-year medical students

2. Goals and Objectives of the course

To provide two courses in pharmacology with the aim of achieving adequate knowledge and competence in pharmacology, which form the basis for rational drug therapy in medical practice. The student by the end of the courses should be able to:

Understand the mechanisms of action, pharmacokinetics, clinical uses and side effects of commonly used drugs

3. Instructional Strategy

- Lectures
- Tutorials, case presentation relevant to pharmacology with formative and summative assessment

4. Logistics needed for completing the course

- Lecture halls with minimum capacity of 100 students
- Google classroom based activities.





5. Assessments

- a. Formative examination
- b. Summative examination using different types of questions: one best answers (one in five), matching questions and clinical cases relevant to pharmacology.

6. Evaluation of effectiveness

- a. Presentation of annotated answers of the questions
- b. Direct interviewing of students
- c. Evaluation and analysis of student's marks
- d. Questionnaire at the end of the course



Part two: Courses syllabus

1. The syllabus for coarse 1 (Basic pharmacology). 4 units

Title		Hours
1.	Introduction to pharmacology	1
2.	Evidence-based medicine	1
3.	Pharmacodynamics	3
4.	Pharmacokinetics	6
5.	Cholinergic system	4
6.	Adrenergic system	4
7.	Histamine and antihistamines	2
8.	Serotonin , Kinins and Prostaglandins	2
9.	Antianemia drugs and vitamins	2
10.	General anesthesia	1
11.	Local anaesthesia	1
12.	Antibacterial part 1	4
13.	Antibacterial part 2	4
14.	Antifungal	2



15	Antiviral	1
16	Antiprotozoal and anthelmintic	2
17	Antituberculosis drugs	2
18	Antimicrobial resistance	3
19	Narcotic analgesics	2
20	Non-narcotic and NSAIDs	4
21	Immunopharmacology	1
22	Herbal medicine	1
23	Drugs interaction	1
24	Drug poisoning	2
25	Drug abuse	1
26	Alcohol	1

2. The syllabus for coarse 2 (Systemic pharmacology) with its required hours and the allocated academic units. 4 units

Title	Hours
7. Antianginal drugs	2
12 Diuretics	3
13 Antihypertensive	3
14 Antiarrhythmic	4
15 Drugs in heart failure	2



16	Hypolipidemic drugs	2
17	Anticoagulant	3
18	Drugs for gout	1
19	Antirheumatic drugs	2
20	Drug treatment for headache	2
21	Anxiolytics and hypnotics	3
22	Antipsychotics	2
23	Antidepressants	2
24	Antiepileptic drugs	2
25	Antiparkinsonian drugs	1
26	Drugs acting on GIT	4
27	Drugs acting on respiratory tract	2
28	Corticosteroids	3
29	Antidiabetics	4
30	Sex hormones, contraceptive drugs	2
31	Drugs for thyroid gland	2
32	Vasopressin, Oxytocin, and tocolytic drugs	2
33	Skin pharmacology	2

Ministry of Higher Education

University of Basrah

College of Medicine

Department of Pharmacology



وزارة التعليم العالي والبحث العلمي

جامعة البصرة

كلية الطب

فرع علم الأدوية

Distribution of exam marks

1-mid-Coarse 30 marks

2- Final 70 marks

