

## Course Syllabus

1	Course title	Introduction to Pharmacology	
2	Course number	0503201	
3	Credit hours	2	
	Contact hours (theory, practical)	2 (theory)	
4	Prerequisites/corequisites		
5	Program title	Doctor of Medicine	
6	Program code		
7	Awarding institution	The University of Jordan	
8	School	Medicine	
9	Department	Pharmacology	
10	Course level	Bachelor	
11	Year of study and semester (s)	2023-2024 (first semester)	
12	Other department (s) involved in teaching the course	None	
13	Main teaching language	English	
14	Delivery method	<input type="checkbox"/> Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online	
15	Online platforms(s)	<input type="checkbox"/> Moodle <input type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....	
16	Issuing/Revision Date	8/2/2023	

### 17 Course Coordinator:

Name: Dr. Suheil Zmeili

Contact hours: Tues. 1-2 pm; Wed. 11-1

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Phone number: 065355000

Email: [szmeili@ju.edu.jo](mailto:szmeili@ju.edu.jo)



### 18 Other instructors:

Name: Dr. Samar Hunaiti

Office number:

Phone number: 065355000

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Contact hours:-----

Name:

Office number:

Phone number:

Email:

Contact hours:

### 19 Course Description:

In this course basic principles of pharmacology which include definitions, pharmacodynamics, pharmacokinetics, drug actions and interactions will be discussed. In addition, in this course the pharmacology of the autonomic nervous system and antibacterial agents will be discussed.

### 20 Course aims and outcomes:



**A- Aims:**

1. Explore and understand major concepts of pharmacodynamics, pharmacokinetics, drug actions and interactions.
2. Understand the importance of patient safety during medication administration.
3. Describe and understand the pharmacology of all drugs affecting the autonomic nervous system and antibacterial drugs.

**B- Intended Learning Outcomes (ILOs):**

On completion of this course all students should be able to:

1. Describe and explain the fundamental concepts of pharmacotherapeutics, pharmacokinetics, Pharmacodynamics and pharmacogenetics.
2. Describe principles of safe administration of medications.
3. Recognize the basics for proper choice of drugs in proper dose in relation to age, sex and individual variations.
4. Describe the pharmacological actions, clinical uses, mechanism of action and side effects of all drugs acting on the autonomic nervous system.
5. Understand different classes of antibacterial drugs, their spectrum of activity, mechanism of action, clinical uses and side effects.

**21. Topic Outline and Schedule:**

Week	Topic
1	Definitions & general principles
	Pharmacokinetics
2	Pharmacokinetics
3	Pharmacodynamics
4	Pharmacodynamics



5	<b>Pharmacology of the Autonomic Nervous System (ANS)</b>
6	<b>ANS Pharmacology</b>
7	<b>ANS Pharmacology</b>
8	<b>ANS Pharmacology</b>
9	<b>ANS Pharmacology</b>
10	<b>Chemotherapeutics Drugs</b>
11	<b>Chemotherapeutics Drugs</b>
12	<b>Chemotherapeutics Drugs</b>
13	<b>Chemotherapeutics Drugs</b>
14	<b>Chemotherapeutics Drugs</b>

## 22 Evaluation Methods:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Midterm exam: 40%

Final exam: 60%



### 23 Course Requirements

(e.g: students should have a computer, internet connection, webcam, account on a specific software/platform...etc):

### 24 Course Policies:

A- Attendance policies:

B- Absences from exams and submitting assignments on time: N/A

C- Health and safety procedures: N/A

D- Honesty policy regarding cheating, plagiarism, misbehavior: N/A

E- Grading policy:

F- Available university services that support achievement in the course:

### 25 References:

A- Required book(s), assigned reading and audio-visuals:

Basic and Clinical Pharmacology by B. G Katzung

B- Recommended books, materials, and media:

Pharmacology, Lippincott's Illustrated Reviews by Howland RD and Mycek MJ

### 26 Additional information:



Name of Course Coordinator: -Dr. Suheil Zmeili-----	Signature: -----
Date: -8/10/2023-----	
Head of Curriculum Committee/Department: -----	Signature: -----
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Head of Department: -----	Signature: -----
- Alia Shalawani	Alia Shalawani
Head of Curriculum Committee/Faculty: -----	Signature: -----
-	
Dean: -----	Signature: -----