

Course Syllabus

1	Course title	Pharmacology 2	
2	Course number	0543202	
3	Credit hours	2	
	Contact hours (theory, practical)	2 theory	
4	Prerequisites/corequisites	0543201	
5	Program title	Doctor of Dental Surgery	
6	Program code		
7	Awarding institution	The University of Jordan	
8	School	The School of Medicine	
9	Department	Pharmacology	
10	Course level	Third year	
11	Year of study and semester (s)	3 rd year , 2 nd semester	
12	Other department (s) involved in teaching the course	-----	
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 checked="" type="checkbox"/> Moodle <input type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....	
16	Issuing/Revision Date	8/10/2023	

17 Course Coordinator:

Name: Dr. Alia Shatanawi

Contact hours: 9-10 Sun, Mon, Tue

Office number: 310

Phone number: 065355000-23458

Email: a.shatanawi@ju.edu.jo



18 Other instructors:

Name: Dr. Manar Zreikat

Office number: 319

Phone number: 065355000-23458

Email: m.zreikat@ju.edu.jo

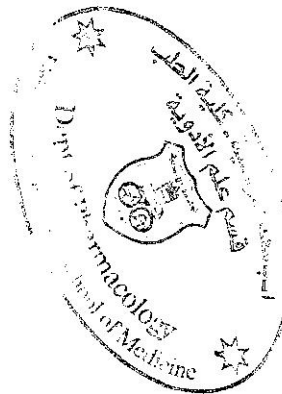
Contact hours: 10-11 Mon-Tue

19 Course Description:

This is a 2-hour course that focuses on fundamental principles in systems pharmacology and their applications, with emphasis on dental applications and implications of the drugs affecting each system.

This course is a continuation of the systems that were introduced in Pharmacology-1 course (0543201). Different systems will be covered that include; endocrine, respiratory, and gastrointestinal. In addition, topics will cover autacoids and drugs for control of supragingival plaque. The second part of the semester will focus on antibiotics and chemotherapeutics agents.

Students will study mechanism of actions of different drugs, their actions, adverse effects, indications and applications.

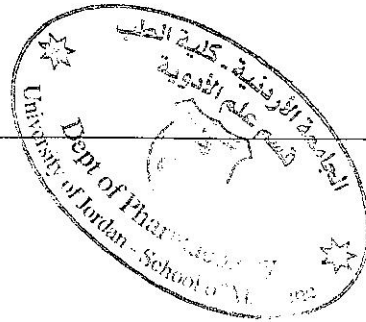


20 Course aims and outcomes:

A- Aims:

1. Explore and understand pharmacodynamics, pharmacokinetics, drug actions of Endocrine related drugs
2. Explore and understand pharmacodynamics, pharmacokinetics, drug actions Chemotherapeutic agents
3. Explore and understand pharmacodynamics, pharmacokinetics, drug actions respiratory system drugs

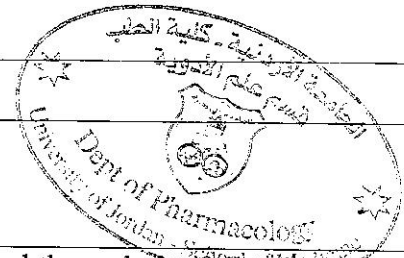
Explore and understand pharmacodynamics, pharmacokinetics, drug actions of Gastrointestinal system related drugs.





21. Topic Outline and Schedule:

Lecture Topic	No. of lectures	Modern Pharmacology Book chapters
Drugs acting on the Endocrine system : <ul style="list-style-type: none"> Hypothalamic and pituitary hormones Thyroid and antithyroid drugs Parathyroid hormone Glucocorticoids Insulin and hypoglycemic agents Androgen and progestins Oral contraceptives 	10	Section: VII Chapters: 59,60, 61,62,63,64,65,66,67
<ul style="list-style-type: none"> Pharmacology of Autacoids Drugs acting on the G.I.T. Drugs for control of bleeding disorders 	2	Section V Chapter 38,39
Week of March 18		Midterm Exam 40%
<ul style="list-style-type: none"> Drugs acting on the Respiratory system Drugs for the control of Supragingival plaque 	2	Section V Chapters: 38,39,40,42
Chemotherapeutic agents: <ul style="list-style-type: none"> Antibacterial agents Antifungal agents Antiviral agents Antiprotozoal agents Anthelmintics Anticancerous agents 	15	Section: VI Chapters: 43,44,45,46,47,48,50,52,52,54,55,56
Final Exam 60%		



22 Evaluation Methods:

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

Evaluation Activity	Mark	Topic(s)	SLOs	Period (Week)	Platform
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):

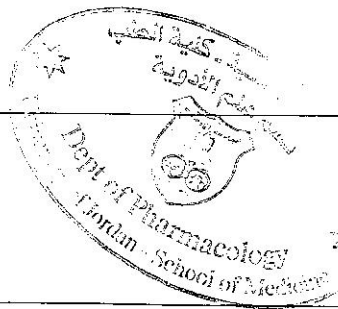
24 Course Policies:

- A- Attendance policies: Attendance is Mandatory
- B- Absences from exams and submitting assignments on time:
- C- Health and safety procedures:
- D- Honesty policy regarding cheating, plagiarism, misbehavior:
- 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: <u>Amal Shalabi</u>	Signature: <u>[Signature]</u>	Date: <u>2023-2-23</u>
Head of Curriculum Committee Department: -----	Signature: -----	
Head of Department: <u>Alia Shabanawi</u>	Signature: <u>[Signature]</u>	
Head of Curriculum Committee/Faculty: -----	Signature: -----	
Dean: -----	Signature: -----	

