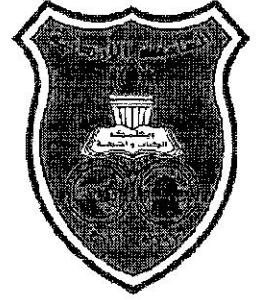




مركز الاعتماد  
و ضمان الجودة  
ACCREDITATION & QUALITY ASSURANCE CENTER



**The University of Jordan**

**Accreditation & Quality Assurance Center**



## **Course Syllabus**

**Course Name:**

**Therapeutics**

1	Course title	Therapeutics
2	Course number	0503101
3	Credit hours (theory, practical)	1
	Contact hours (theory, practical)	
4	Prerequisites/corequisites	None
5	Program title	B.Sc. Rehabilitation
6	Program code	
7	Awarding institution	The University of Jordan
8	Faculty	Medicine
9	Department	Pharmacology
10	Level of course	Bachelor
11	Year of study and semester (s)	5 <sup>th</sup> year
12	Final Qualification	MD degree
13	Other department (s) involved in teaching the course	
14	Language of Instruction	English
15	Date of production/revision	2022-2023

**16. Course Coordinator:**

Prof. Suheil Zmeili

**17. Other instructors:**

None

**18. Course Description:**

This course explores pharmacodynamics, pharmacokinetics, drug actions and interactions. Also the course focuses on fundamental principles in systems pharmacology and their applications, with emphasis on rehab applications and implications of the drugs affecting some systems.

**19. Course aims and outcomes:**

**A- Aims:**

1. Explore and understand pharmacodynamics, pharmacokinetics, drug actions and interactions.
2. Understand the importance of patient safety during medication administration.
3. Describe the actual and potential effects of commonly used medications that may be important in rehabilitation
5. Understand the ethical and legal issues related to dentists' roles and responsibilities in medication administration.

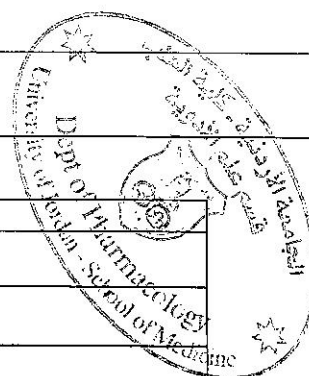
**B- Intended Learning Outcomes (ILOs):**

Successful completion of the course should lead to the following outcomes:

1. Identify the roles of the professional rehabilitation graduates in relation to medication administration and education.
2. Employ critical thinking skills to determine the effectiveness of medication administration care outcomes.
3. Predict potential drug-drug interactions and drug-food interactions based on physiologic responses to pharmacological agents and apply critical thinking skills for appropriate intervention.
4. Describe the legal and ethical principles related to research and practice of medication administration in dentistry.
6. Relate the differences in Pharmacology use and its effects across the lifespan, when administering medications to culturally diverse populations commonly occurring diseases.
7. Define the pharmacological terminology pertinent to specific categories and classifications of medications in relation to drug effects on commonly occurring diseases.
8. Interpret effective communication in reports of the action, rationale for use, common and/or life-threatening side effects and dental implications for each major classification of medications.

**20. Topic Outline and Schedule:**

Course Contents:	
Week	Topic
1	Introduction to pharmacology
2	Introduction to pharmacology
3	Analgesics-Opioids
4	Analgesics-NonOpioids
5	Sedative-Hypnotics
6	Sedative-Hypnotics
7	Antipsychotics
8	Muscle relaxant
9	Local Anesthesia
10	Corticosteroids
11	Corticosteroids
12	Anabolic, steroids



13	Antibiotics
14	Antibiotics
15	Revision

**21. Teaching Methods and Assignments:**

Teaching Method	ILO/s
Lectures and Discussions:	0%
Homework and Assignments:	0%
Projects:	0%
Presentation	0%

**22. Evaluation Methods and Course Requirements:**

Teaching Method	ILO/s
Lectures and Discussions:	0%
Homework and Assignments:	0%
Projects:	0%
Presentation	0%

**23. Course Policies:****A- Attendance policies:**

Attendance will be taken by the course coordinator.

**B- Absences from exams and handing in assignments on time:**

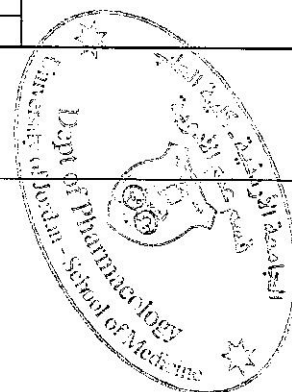
Will be managed according to the University of Jordan regulations.

**C- Health and safety procedures:****D- Honesty policy regarding cheating, plagiarism, misbehavior:**

Will be managed according to the University of Jordan regulations.

**E- Grading policy:**

0-39	F
45-49	D-
50-54	D
54-69	D+
60-64	C
65-69	C
70-73	C+
74-76	B-
77-80	B
81-84	B+
85-89	A-
90-100	A



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

Availability of comfortable lecture halls, data show and internet service.

#### 24. Required equipment:

None

#### 25. References:

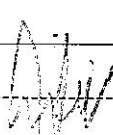
##### Main Reference/s:

Course Textbook:  
Rehabilitation in Pharmacology

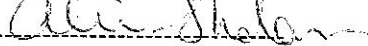
##### Additional References:

- Goodman and Gilman: The Pharmacological Basis of Therapeutics
- Basic and Clinical Pharmacology, B. Katzung
- Lippincott's Illustrated Reviews: Pharmacology, Harvey and Champ

#### 26. Additional information:

Name of Course Coordinator: -----Signature: ----- Date: 8/10/2023

Head of curriculum committee/Department: -----Signature: -----

Head of Department: Dr. Ali Shatanawi Signature: -----

Head of curriculum committee/Faculty: -----Signature: -----

Dean: -----Signature: -----

##### Copy to:

Head of Department  
Assistant Dean for Quality Assurance  
Course File