



مركز الاعتماد
وضمان 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	0503590	
3	Credit hours (theory, practical)	1	
	Contact hours (theory, practical)		
4	Prerequisites/corequisites	None	
5	Program title	Doctor of Medicine MD	
6	Program code		
7	Awarding institution	University of Jordan	
8	Faculty	Medicine	
9	Department	Pharmacology	
10	Level of course	Bachelor	
11	Year of study and semester (s)	5 th 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	2020/2021	

16. Course Coordinator:

Dr. Malek Zihlif
Office number: 304
Office phone: 23464
E-mail: m.zihlif@ju.edu.jo

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 Champe

26. Additional information:

Name of Course Coordinator: -----Signature: ----- Date: -----

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

Head of Department: ----- Signature: -----

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

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

Copy to:

Head of Department
Assistant Dean for Quality Assurance
Course File