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جامعة كل العرب

Course Syllabus
Faculty of Arts and Science

Basic Science and Humanities Department
Academic Year 2021/2022 Semester: First

Course Title :	Pharmacology
Course No. :	1501156
Prerequisite :	-----
Concurrent :	-----
Department :	Basic Science and Humanities
Coordinator :	Msc. Hana' Al Mughrabi
Mode of Instruction	<u>On-Campus Learning</u> - 2 hours in-class (Synonym) learning

*** Instructor:**

Lecturer	Office Phone	Room No.	Office Hours	E-mail
Msc. Hana' Al Mughrabi	----	----	Thu 10-11	h_mughrabi@asu.edu.jo

Course Description

This course introduces the subject of pharmacology to nurse students. Topics will include general principles of pharmacology, the administration of drugs and major drugs affecting body systems including: autonomic nervous system, cardiovascular system, respiratory system, endocrine system, alimentary canal, analgesics, anti-inflammatory drugs, anesthetics, anxiolytics, hypnotics and antibacterial agents.

Intended Learning Outcomes

Following the successful completion of this course, the student should be able to:

A. Knowledge and understanding:

Students is expected to:

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- A.1- Explain the basic principles of pharmacology and drug therapy.
- A.2- Understand the principles of pharmacokinetics.
- A.3- Understand the principles of pharmacodynamics.
- A.4- Know core cellular and molecular processes associated with drug actions and drug interactions.
- A.5- Know the major drug classes as they relate to organ systems or major pathophysiological diseases and discuss representative medications within specific classifications

B. Subject specific skills:

Student is expected to:

- B.1- Acquire a comprehensive description of the major group of drugs as applied to medical practice.
- B.2- Identify the common serious side effects and contraindications of each drug, different mechanisms of drug toxicity, interactions and factors modifying drug action

C. Cognitive and Intellectual skills:

Student is expected to:

- C.1- Demonstrate knowledge of the terminology and special concepts useful in the study of pharmacology.
- C.2- Understand the rationale behind designing different dosing regimens of particular drugs in specific patient populations.
- C.3- Recognize that drugs have action at all systems and should be able to classify them, and appreciate that this classification is not absolute.

D. Transferable Skills:

- D.1- Apply key scientific principles underpinning the pharmacological sciences.
- D.2- Take responsibility for own work and to exercise substantial autonomy and initiative in a learning environment.



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Course Contents and Schedule

Week	Day and Date	Topics to be covered	Method of instruction	CLOs	PLOs
1	Thu. 10 Mar.	Introduction. General principles of pharmacology.	In class lecture	A1,A2,A3, A4,A5, B1,B2 ,C1,C2,C3, D1,D2	
2	Thu. 17 Mar.	Drug activity within the body (Pharmacokinetic phase, Pharmacodynamic phase).	In class lecture	A1,A2,A3, A4,A5, B1,B2, ,C1,C2,C3, D1,D2	
3	Thu. 24 Mar.	Drug activity within the body (Drug reactions)	In class lecture	A1,A2,A3, A4,A5, B1,B2 ,C1,C2,C3, D1,D2	
4	Thu. 31 Mar.	Drugs that affect autonomic nervous system	In class lecture	A1,A2,A3, A4,A5, B1,B2 ,C1,C2,C3, D1,D2	
5	Thu. 7 Apr.	Drugs that affect autonomic nervous system	In class lecture	A1,A2,A3, A4,A5, B1,B2 ,C1,C2,C3, D1,D2	
6	Thu. 14 Apr.	Drugs used for blood pressure	In class lecture	A1,A2,A3, A4,A5, B1,B2 ,C1,C2,C3, D1,D2	
7	Thu. 21 Apr.	Drugs used for blood pressure	In class lecture	A1,A2,A3, A4,A5, B1,B2 ,C1,C2,C3, D1,D2	
8.	MID Term Exam				
9	Thu. 5 May.	Drugs acting on the heart	In class lecture	A1,A2,A3, A4,A5, B1,B2 ,C1,C2,C3,	



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				D1,D2	
10	Thu. 12 May.	Atheroma and thrombosis.	In class lecture	A1,A2,A3, A4,A5, B1,B2 ,C1,C2,C3, D1,D2	
11	Thu. 19 May.	Atheroma and thrombosis.	In class lecture	A1,A2,A3, A4,A5, B1,B2 ,C1,C2,C3, D1,D2	
12	Thu. 26 May.	Endocrine system	In class lecture	A1,A2,A3, A4,A5, B1,B2 ,C1,C2,C3, D1,D2	
13	Thu. 2 Jun.	Drugs affecting the alimentary tract.	In class lecture	A1,A2,A3, A4,A5, B1,B2 ,C1,C2,C3, D1,D2	
14	Thu. 9 Jun.	Antibacterial drugs	In class lecture	A1,A2,A3, A4,A5, B1,B2 ,C1,C2,C3, D1,D2	
15	Thu. 16 Jun.	Narcotic analgesics, inflammatory drugs.	In class lecture	A1,A2,A3, A4,A5, B1,B2 ,C1,C2,C3, D1,D2	
16.	Final Exam				

Grading Plan and Assessment Tools

Assessment Tools	Weights	Due date
Mid-term	30	TBA
Assignments	
Quizzes	20	TBA
Inter active lectures	
Group Work	
Presentation	
Reports	



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Project	
Case-Study	
Final Exam	50	TBA

Supplementary Reading

Textbook:

1-Trounce Clinical pharmacology for nurses, Ben Greenstein, Churchill Livingstone, 18th edition,2009

2- Roach Introductory clinical pharmacology, Suzan Ford, Sally Roach, Lippincott Williams & Wilkins, 10th edition **2009**.

References:

Focus on Nursing Pharmacology, Amy M. Karch, 6th edition,2013.



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Subject Coordinator Msc. Hana' Al Mughrabi **Signature:** -----

Head of Curriculum Committee Dr. Hussam Miqdad **Signature:** -----

Department Head Dr. Hussam Miqdad **Signature:** -----

Faculty Dean Dr. Hadeel Ali Saed **Signature:** -----

Copy to:

- Department Head.
- Head of Curriculum Committee.
- Course File.

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رمز النموذج: UF 28 / 2

رقم القرار 24 / 233

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