



ASU
APPLIED SCIENCE PRIVATE UNIVERSITY



Amman- Jordan

عمان - الأردن



كلية الصيدلة
Faculty Of Pharmacy



The Bachelor Degree in Pharmacy
of Applied Science Private
University is Certified by the
Accreditation Council for Pharmacy
Education



المستوى الذهبي

فليجبل من أردن العربيه جامعة للعربيه

Faculty : Pharmacy

Department: Clinical Pharmacy and Therapeutics

Academic Year: 2018/2019

Semester : Second

(Course Syllabus)

Subject Name	Credit Hours	Course No.	Prerequisite	Concurrent course
Pharmacology II	3	906320	906310_Pharmacology I	----

Coordinator Name	Lecturer/s	Room No.	E-mail	Course website	Office Hours
Dr. Luai Hasoun	Dr. Luai Hasoun Dr. Rana Abu Farha	118 204	L_hason@asu.edu.jo r_abufarha@asu.edu.jo	http://bio.asu.edu.jo/bio/index.jsp	As shown on individual lecturer's time table

Course Description:

The course is designed to cover drugs affecting the cardiovascular system that were not covered in Pharmacology I; and drugs affecting endocrine; and central nervous system, This course includes drugs' mechanism of action, doses, adverse effects, and interaction with others drugs.

Course objectives:

1. To enable students to mention accurately the actions and uses of a number of pharmacologically active drug classes
2. To enable students to explain efficiently the mechanisms by which different members of each class act on their target receptors
3. To enable students to discuss professionally pharmacokinetics and adverse effects of individual drugs



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Intended Learning Outcomes:

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

A. Knowledge and understanding:

- A1. Explain the mechanisms of action and side effects of previously mentioned drug classes.
- A2. Utilize the knowledge of pathophysiology in the proper selection and use of drugs, and in predicting the side effects of various drug classes.
- A3. Know the core cellular and molecular processes associated with drug actions and drug interactions.
- A4. 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:

- B1. Distinguish one or two prototype drug(s) of each pharmacological group especially those of clinical importance.
- B2. Acquire a comprehensive description of the major group of drugs as applied to medical practice and be sufficiently prepared to gather information on new drugs.
- B3. Identify the common serious side effects and contraindications of each prototype drug, different mechanisms of drug toxicity, interactions and factors modifying drug action.

C. Cognitive and Intellectual skills:

- C1. Evaluate different adverse drug reactions.
- C2. Criticize different treatment modalities in order to provide optimum drug therapy for patients.
- C3. Demonstrate knowledge of the terminology and special concepts useful in the study of pharmacology.
- C4. Recognize that drugs have action at different body systems and should be able to classify them, and appreciate that this classification is not absolute.

D. Transferable Skills:

- D1. Apply key scientific principles underpinning the pharmacological sciences.
- D2. Make appropriate therapeutic treatment decisions for individual patients utilizing drugs from the major drug classes.
- D3. Recognize different resources of pharmacology (books, professional sites and scientific journals) and know how to evaluate the big quantity of information available.



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- D4. Work coherently and successfully as a part of a team.
D5. Plan and implement efficient and effective modes of working.
D6. Locate and download online data.
D7. Study and find information independently to facilitate self-learning.

Teaching and Learning Methods:

Development of ILOs is promoted through the following teaching and learning methods:

ILOs	Learning Methods	Evaluation Methods
All ILOs	Readings, computer assisted instructions, demonstration, lectures	Exams

Course Content:

Week	Date	Lecture number	Topic's Details	Exams/ /quizes/ holidays	Main Reference (chapter)	ILOs achieved
1	24-28/Feb 2019	1	Course outline, objectives, outcomes, references and grading system	Exams	-----	-----
		2	Drugs for hyperlipidemia	Exams	Lippincott (Ch 22)	All ILOs
2	3-7/March 2019	3	Introduction Antiarrhythmics	Exams	Lippincott (Ch 19)	All ILOs
3-4	10-17/March 2019	4	Anticoagulants and antiplatelet agents	Exams	Lippincott (Ch 21)	All ILOs
4-5	19-28/March 2019	3	Drugs for neurodegenerative diseases	Exams	Lippincott (Ch 8)	All ILOs
FIRST EXAM						
6	31/March - 4/April 2019	2	Anxiolytic and hypnotic drugs	Exams	Lippincott (Ch 9)	All ILOs
7	7-11/April 2019	3	Antidepressants	Exams	Lippincott (Ch 10)	All ILOs

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8	14-18/April 2019	3	Drugs for epilepsy	Exams	Lippincott (Ch 12)	All ILOs
9	21-25/April 2019	3	Opioids	Exams	Lippincott (Ch 14)	All ILOs
10	28/April – 2/May 2019	2	Antipsychotic drugs	Exams	Lippincott (Ch 11)	All ILOs
SECOND EXAM						
11	5-9/May 2019	3	Pituitary and thyroid	Exams	Lippincott (Ch 23)	All ILOs
12	12-16/May 2019	2	Adrenal hormones	Exams	Lippincott (Ch 26)	All ILOs
13	19-23/May 2019	5	Estrogens and androgens	Exams	Lippincott (Ch 25)	All ILOs
14	26-30/May 2019					All ILOs
FINAL EXAM						

Grade Distribution:

Your course grade will be determined by the following:

<i>Assessment Method</i>	<i>% of Final Grade</i>	<i>Due Date</i>
First exam	25	To be announced
Second exam	25	To be announced
Final exam	50	To be announced

* Provisional dates are scheduled in the course schedule. Each instructor will announce the exact date for the quizzes of each section at the beginning of the semester.

Distribution of examination material (may vary depending on material included):

Example:

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

Attendance: Mandatory.

First warning – with 6 absences

Last warning – with 8 absences

Failing in the subject – with 10 absences

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

Will result in zero achievement unless health report or other significant excuse is documented.

C- Health and safety procedures: NA



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D- Honesty policy regarding cheating, plagiarism, misbehavior:

The participation, the commitment of cheating will lead to applying all following penalties together

1. Failing the subject he/she cheated at
2. Failing the other subjects taken in the same course
3. Not allowed to register for the next semester. The summer semester is not considered as a semester

E- Grading policy:

Exams and Quizzes.

First Exam:	25 points
Second exam:	25 points
Final Exam:	50 points
Total:	<u>100 points</u>

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

Classrooms, internet classes, ASU online web site (messages, assignment, and notes)

24. Required equipment:

Data show at the class rooms.

Computers

Make-up Exam Policy:

Make-up exams will be offered for valid reasons. They may be different from regular exams, both in content and format.

Textbooks information:

Main Reference:

1. Lippincott Illustrated Reviews: Pharmacology, latest edition (7th), Karen Whalen, Wolters Kluwer. ISBN-13: 978-1451191776

Other References:

1. Basic and Clinical Pharmacology, latest edition (13th), Bertram Katzung, Mc-Grow-Hill Companies. ISBN-13: 978-0071825054
2. Goodman and Gilman's The Pharmacological Basis of Therapeutics, latest edition (12th), Laurence Brunton, et al, Mc-Grow-Hill Companies. ISBN-13: 978-0071624428

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24/233 Resolution number

Accreditation date: 31/01/2018



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3. British National Formulary (BNF) 72, latest edition (72), Joint Formulary Committee, BMJ Publishing Group Ltd and Royal Pharmaceutical Society. ISBN: 978 0 85711 250 7

Additional information:

No side talks during lecture

No mobile phones during lecture

Entering the lecture theatre after the instructor is not permitted.

Homework should be done by students independently and will be asked at the exams

Course Material and Announcements

Students need to use the e-learning page at the ASU website in order to get all lecture handouts and guideline which will be uploaded there.

In addition, course related announcements and exam results will be posted on the ASU online AND/OR course website and is the responsibility of each student to check the sites regularly.

Name of Course Coordinator: Dr. Luai Hasoun

Signature: 

Date: 24/2/19

Head of curriculum committee: 

Signature:

Head of Department: _____

Signature:

Dean: _____

Signature: 

Copy to:
Head of Department
Head of curriculum committee
Course File