



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

جامعة كل العرب

Faculty: Pharmacy

Department: Clinical Pharmacy and Therapeutics

Academic Year: 2020-2021

Semester: First

(Course Syllabus)

Subject Name	Credit Hour	Course No.	Prerequisite	Concurrent course
Drug Informatics	3	906503	906410	

Coordinator Name	Lecturer/s	Room No.	E-mail	Course website	Office Hours
MSc. Rajaa Dagash	MSc. Rajaa Dagash	4210	r_dagash@asu.edu.jo	http://bio.asu.edu.jo/bio/index.jsp	Check the schedule

Course Description

The course aims to increase students' knowledge about drug information concepts and how to obtain drug information from different resources. The course also covers pharmacovigilance concept, and medication errors prevention.

Course Objectives

Upon successful completion of the course:

- 1- The students should be able to define drug information, identify the major factors that have influenced the ability to provide medication information.
- 2- The students should be able to outline the steps that are necessary to identify the actual drug information needs of the requestor.
- 3- The students should be able to evaluate the drug information resources, and differentiate between them.
- 4- The students should be able to identify drug approval process
- 5- The students should be able to describe and perform an evaluation of a drug product for drug formulary.
- 6- The students should be able to identify medication misadventures.

The students should be able to identify to pharmacovigilance

Intended Learning Outcomes

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

- A1. Define drug information and drug informative.
- A2. Be familiar with the steps that are necessary to identify the actual drug information.
- A3. Differentiate between primary, secondary and tertiary sources of information.
- A4. Identify drug approval process
- A4. List the sections included in a drug monograph.

Fax:5232899 _ Amman – Jordan _ Tel :5609999

Form code: UF 130/1

Resolution number 24/233

Accreditation date: 31/01/2018



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

جامعة كل العرب

A5. Define and compare between the terms (medication errors, adverse drug events and adverse drug reactions).

A6. Be familiar with Pharmacovigilance .

A7. Be familiar with Assessing Drug Promotions.

A8. Be familiar with Legal Aspects of drug information practice.

B. Subject specific skills:

The student is expected to be able to:

B1. Get the skills needed to perform and provide medication information.

B2. Be able to select the most appropriate drug information resources.

B3. Be able to describe the recommendations and restrictions that are made in a monograph.

B4. Be able to classify adverse drug reactions.

C. Cognitive and Intellectual skills:

The student is expected to be able to:

C1. Select appropriate resources for a specific information request.

C2. Understand the importance of Pharmacy informatics.

C3. Understand the importance of enabling safe and efficacious medication use.

D. Transferable Skills:

The student is expected to be able to:

D1. Gain knowledge and skills to be a drug information provider.

D2. Have the ability to explain and evaluate a drug monograph.

D3. Have the ability to explain how to report adverse reactions related to dietary supplements.

Teaching and Learning Methods:

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

ILOs	Learning Methods	Evaluation Methods
A, B, C and D	Lectures Assignments discussion	Multiple choice, online exams, assignments discussion



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

جامعة كل العرب

Course Content:

Week	Date	Lecture number	Topic's Details	Exams/ /quizes/ holidays	Main Reference (chapter)	ILOs achieved
1.	18/10/2020	3 hours	Introduction to the concept of drug information		Drug information: a guide for pharmacists Chapter 1	A1, A2, B1 & D1
2.3	25/10/2020 1/11/2020	6 hours	Drug information resources; Primary, Secondary and Tertiary		Drug information: a guide for pharmacists Chapter 3	A3, B2 & C1
4.	8/11/2020	3 hours	Investigational Drugs		Drug information: a guide for pharmacists Chapter 21	A4
5.	15/11/2020	3 hours	Drug evaluation monographs		Drug information: a guide for pharmacists, Chapter 14	A4B3 & D2
6.	22/11/2020	3 hours	Pharmacovigilance		Guidelines for Detecting & Reporting Adverse Drug Reactions; JFDA	A6
Midterm Exam						
7.	29/11/2020	3 hours	Medication misadventures I; Adverse Drug Reactions		Drug information: a guide for pharmacists Chapter 17	A5, B4
8.	6/12/2020	3 hours	Medication misadventures II; Medication and Patient Safety		Drug information: a guide for pharmacists Chapter 18	A5, B4
9.	13/12/2020	3 hours	Drug information and contemporary Community Pharmacy		Drug information: a guide for	C2

Fax:5232899 _ Amman – Jordan _ Tel :5609999

Form code: UF 130/1

Resolution number 24/233

Accreditation date: 31/01/2018



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

جامعة كل العرب

			Practice		pharmacists Chapter 25	
10,11	20- 30/12/2020	3 hours	Pharmacy informaticsEnabling Safe and efficacious medication use		Drug information: a guide for pharmacists Chapter 26	10,11
12,13	3-10/1/2021	3 hours	Assessing Drug Promotions		Drug information: a guide for pharmacists Chapter 23	12,13
14	17/1/2021	3 hours	Seminar presentation			14
15	24/1/2021	3 hours	Seminar presentation			15
FINAL EXAM						

Grade Distribution:

Your course grade will be determined by the following:

Assessment Method	% of Final Grade	Due Date
Midterm Exam	30	To be decided
Assignment/project	20	To be decided
Final Exam	50	To be decided

* 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)

Course Policies:

A- Attendance policies:

Attendance: Mandatory.

First warning – with 3 absences

Last warning – with 4 absences

Failing in the subject – with 5 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: N/A

D- Honesty policy regarding cheating, plagiarism, misbehavior:

Fax:5232899 _Amman – Jordan _ Tel :5609999

Form code: UF 130/1

Resolution number24/233

Accreditation date: 31/01/2018



Amman- Jordan

ASU
APPLIED SCIENCE PRIVATE UNIVERSITY



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

جامعة كل العرب

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.

Midterm Exam:	30points
Assignment/project	20 points
Final Exam:	50 points
Total:	100 points

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

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

Required equipment:

Data show and internet connection

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- Drug information: a guide for pharmacists.6th edition.McGraw Hill
- 2- Guidelines for Detecting & Reporting Adverse Drug Reactions; JFDA;2014

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 guidelines which will be uploaded there.

Fax:5232899 _Amman – Jordan _ Tel :5609999

Form code: UF 130/1

Resolution number24/233

Accreditation date: 31/01/2018



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

جامعة كل العرب

In addition, course related announcements and exam results will be posted on the e-learning page and is the responsibility of each student to check the site regularly.

Name of Course Coordinator: MSc. Rajaa Daghsh Signature: *Rajaa Daghsh* Date: 3-10-2020

Head of curriculum committee: Reem Abutayeh Signature:

د. ريم ابوتايه

Head of Department: Dr. May Abu Taha

Signature:

May Abu Taha

Iman Al Bashiti

Dean: Prof. Iman Al Bashiti Signature:

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