

Course Plan for Bachelor Program - Study Plan Development and Updating Procedures/ Pharmacy Department	QF02/0408-4.0E
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Study Plan No.	2021/2022	University Specialization	Bachelor of Pharmacy
Course No.	0201537	Course Name	Therapeutics (3)
Credit Hours	3	Prerequisite *Co-requisite	Therapeutics (2)
Course Type	<input type="checkbox"/> Mandatory University Requirement <input type="checkbox"/> University Elective Requirement	<input type="checkbox"/> Faculty Mandatory Requirement <input type="checkbox"/> Support course family requirements	<input checked="" type="checkbox"/> Mandatory Requirement <input type="checkbox"/> Elective Requirement
Teaching Style	<input type="checkbox"/> Full Online Learning	<input checked="" type="checkbox"/> Blended Learning	<input type="checkbox"/> Traditional Learning
Teaching Model	<input type="checkbox"/> 1 Synchronous: 1 Asynchronous	<input checked="" type="checkbox"/> 1 Face to Face: 1 Asynchronous	<input type="checkbox"/> 2 Traditional

Faculty Member and Study Divisions Information (to be filled in each semester by the subject instructor)

Faculty Member and Study Division Information (to be filled in each semester by the subject instructor)					
Name	Academic rank	Office No.	Phone No.	E-mail	
Office Hours (Days/Time)	Sunday, Tuesday, Thursday ()		Monday, Wednesday ()		
Division number	Time	Place	Number of Students	Teaching Style	Approved Model
				Blended Learning	1 Face to Face: 1 Asynchronous

Brief Description

This course is the last of a three-part series. Therapeutics (3) will enable a student to continue to apply knowledge and develop skills needed by a pharmacist to provide patient care, using a systematic patient-care process to define and achieve the goals of optimizing safe, effective pharmacotherapy. Therapeutics (3) serve the needs of all future pharmacists by focusing on core chronic disease states. This Course briefly reviews the pharmacotherapy of various diseases with primary focus on applying therapeutic knowledge to care for patients with such disorders these disorders include:

- Infectious disorders
- CNS disorders
- Menopause
- Common Skin disorders

Learning Resources

Course Book Information (Title, author, date of issue, publisher ... etc)	1. Pharmacotherapy-A Pathophysiologic Approach, by Joseph DiPiro, 11th edition 2. Applied therapeutics: the clinical use of drugs by Koda-Kimble, 10th edition 3. Clinical pharmacy and Therapeutics, by Roger Walker and Clive Edwards, 3rd edition.
Supportive Learning Resources (Books, databases, periodicals, software,	1. Clinical Pharmacology by P.N. Bennett and M.J. Brown, 11 th edition. 2. Disease management guidelines

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applications, others)	
Supporting Websites	
The Physical Environment for Teaching	<input type="checkbox"/> Classroom <input type="checkbox"/> Labs <input checked="" type="checkbox"/> Virtual Educational Platform <input type="checkbox"/> Others
Necessary Equipment and Software	Moodle
Supporting People with Special Needs	
For Technical Support	

Course learning outcomes (K= Knowledge, S= Skills, C= Competencies)

No.	Course Learning Outcomes	The Associated Program Learning Output Code
Knowledge		
The student should be able to:		
K1	Identify patients' individual factors that may affect treatment	MK3
K2	Recognize the relationship of the above factors to the disease and drug factors.	MK3
K3	Describe and evaluate therapeutic regimens which are used in the management of the diseases covered in this course	MK3
K4	Recognizing conventional pharmacological approaches to the therapeutic management and/ or prophylaxis of these conditions.	
Skills		
The student should be able to:		
S1	Apply pharmaco-therapeutic principles to real patients' cases	MS1
S2	Determine the most appropriate therapy for patients according to patients', disease, and drug factors in order to maximize benefits and minimize risk of therapy	MS1
S3	Evaluate and interpret evidence from disease management guidelines	MS1
Competencies		
The student should be able to:		
C1	Relate pharmacology, pharmacokinetic and therapeutic principles to come up with best therapeutic plan for a specific patient with specific conditions	MC1, MS1
C2		

Mechanisms for Direct Evaluation of Learning Outcomes

Type of Assessment / Learning Style	Fully Electronic Learning	Blended Learning	Traditional Learning (Theory Learning)	Traditional Learning (Practical Learning)
Midterm Exam	30%	30%	30%	0%
Participation / Practical Applications	0%	0%	20%	50%
Asynchronous Interactive	20%	20%	0%	0%

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Activities				
Final Exam	50%	50%	50%	50%

Note 1: Asynchronous interactive activities are activities, tasks, projects, assignments, research, studies, projects, work within student groups ... etc, which the student carries out on his own, through the virtual platform without a direct encounter with the subject teacher.

Note 2: According to the Regulations of granting Master's degree at Al-Zaytoonah University of Jordan, 40% of final evaluation goes for the final exam, and 60% for the semester work (examinations, reports, research or any scientific activity assigned to the student).

Schedule of Simultaneous / Face-to-Face Encounters and their Topics

Week	Subject	Learning Style*	Reference **
1	Continuous Pharmacist education	Lecture	
2	Drug Interaction	Lecture	
3	Antimicrobial therapy principles	Lecture	
4	Lower and upper respiratory tract infection	Lecture	
5	Meningitis	Lecture	
6	Endocarditis	Lecture	
7	GI infections	Lecture	
8	Urinary Tract infection	Lecture	
9	Sexually Transmitted disease Midterm Exam	Lecture	
10	Vaccination	Lecture	
11	Anxiety and insomnia	Lecture	
12	Major Depression Disorder	Lecture	
13	Epilepsy	Lecture	
14	Menopause	Lecture	
15	Common Skin Disorders	Lecture	
16	Final Exam		

* Learning styles: Lecture, flipped learning, learning through projects, learning through problem solving, participatory learning ... etc.

** Reference: Pages in a book, database, recorded lecture, content on the e-learning platform, video, website ... etc.

Schedule of Asynchronous Interactive Activities (in the case of e-learning and blended learning)

Week	Task / Activity	Reference	Expected Results
1	Assignment /case study to the related week topic	Disease management guidelines	
2	Assignment /case study to the related week topic	Disease management guidelines	
3	Assignment /case study to the related week topic	Disease management guidelines	
4	Assignment /case study to the related week topic	Disease management guidelines	
5	Assignment /case study to the related week topic	Disease management guidelines	
6	Assignment /case study to the related week topic	Disease management guidelines	
7	Assignment /case study to the related	Disease management	

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	week topic	guidelines	
8	Assignment /case study to the related week topic	Disease management guidelines	
9	Assignment /case study to the related week topic	Disease management guidelines	
10	Assignment /case study to the related week topic	Disease management guidelines	
11	Assignment /case study to the related week topic	Disease management guidelines	
12	Assignment /case study to the related week topic	Disease management guidelines	
13	Assignment /case study to the related week topic	Disease management guidelines	
14	Assignment /case study to the related week topic	Disease management guidelines	
15	Assignment /case study to the related week topic	Disease management guidelines	
16			