

Course Plan for Bachelor Program - Study Plan Development and Updating Procedures/  
Pharmacy Department

QF02/0408-4.0E

Study Plan No.	2021/2022		University Specialization		Bachelor of Pharmacy	
Course No.	0201384		Course Name		Pharmacy Practice Lab (1)	
Credit Hours	1		Prerequisite *Co-requisite		Pharmacology (1) + Over the Counter Medicines	
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 type="checkbox"/> Blended Learning		<input checked="" type="checkbox"/> Traditional Learning	
Teaching Model	<input type="checkbox"/> 1 Synchronous: 1 Asynchronous		<input type="checkbox"/> 1 Face to Face: 1 Asynchronous		<input checked="" type="checkbox"/> 1 Traditional	

**Faculty Member and Study Divisions 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
				Traditional Learning	1 Traditional

**Brief Description**

This practical course will introduce students to non-prescription medications and patient care pertaining to common symptoms, minor diseases, self-care, and cases that should be referred to healthcare systems in a simulated community pharmacy setting.

**Learning Resources**

Course Book Information (Title, author, date of issue, publisher ... etc)	<b>1. Handbook of Non-prescription Drugs</b> , Daniel Krinsky, et al, 2015, 18 <sup>th</sup> Edition, American Pharmacist Association.				
Supportive Learning Resources (Books, databases, periodicals, software, applications, others)	<b>2. Basic and Clinical Pharmacology</b> , Katzung et al, 2017, 14 <sup>th</sup> Edition. <b>3. Lippincott Illustrated Reviews: Pharmacology</b> 7 <sup>th</sup> edition.				
Supporting Websites	<a href="http://www.Uptodate.com">www.Uptodate.com</a>				
The Physical Environment for Teaching	<input type="checkbox"/> Classroom	<input checked="" type="checkbox"/> Labs	<input checked="" type="checkbox"/> Virtual Educational Platform	<input type="checkbox"/> Others	
Necessary Equipment and Software	- Moodle - Smart Pharmacy - Digital Smart Pharmacy				

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Supporting People with Special Needs	
For Technical Support	E-Learning & Open Educational Resources Center. Email: <a href="mailto:ellearning@zuj.edu.jo">ellearning@zuj.edu.jo</a> ; Phone: +962 6 429 1511 ext. 425/362.

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

No.	Course Learning Outcomes	The Associated Program Learning Output Code
<b>Knowledge</b>		
<b>The student should be able to:</b>		
<b>K1</b>	Identify non-prescription drug products and their Pharmaco-therapeutic uses.	<b>MK3</b>
<b>K2</b>	Recognize the pharmacist's role in non-prescription drug product selection and non-pharmacologic recommendations.	<b>MK3</b>
<b>Skills</b>		
<b>The student should be able to:</b>		
<b>S1</b>	Distinguish a patient's condition (including risk factors, possible contraindications, drug interactions and comorbidities).	<b>MS2</b>
<b>S2</b>	Select appropriate nonprescription products (as needed).	<b>MS2</b>
<b>S3</b>	Demonstrate effective communication verbally and nonverbally when interacting with patients and other healthcare providers.	<b>MS3</b>
<b>S5</b>	Interpret medication prescriptions and leaflets.	<b>MS2</b>
<b>S6</b>	Use computer software's applications in pharmacy.	<b>MS2</b>
<b>Competencies</b>		
<b>The student should be able to:</b>		
<b>C1</b>	Recommend the patient on the proper dosage and use of products.	<b>MC2</b>

### 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)
<b>Midterm Exam</b>	%30	%30	30%	0%
<b>Participation / Practical Applications</b>	0%	0%	20%	50%
<b>Asynchronous Interactive Activities</b>	20%	20%	0%	0%
<b>Final Exam</b>	50%	50%	50%	50%

**Note 1:** Asynchronous interactive activities are activities, tasks, projects, assignments, research, studies, projects, and 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	Introduction to Pharmacy Practice: Difference between prescription medicine and OTC.	Lecture	Chapter 1 Krinsky, et al
2	Introduction to Pharmacy Practice: Drug prescription.	Lecture	Chapter 1 Krinsky, et al
3	Introduction to Pharmacy Practice: Drug information leaflet.	Lecture	Chapter 1 Krinsky, et al
4	Introduction to Pharmacy Practice: Weight Based Dose Calculation	Lecture	Chapter 1 Krinsky, et al
5	Introduction to Pharmacy Practice: Medication Dispensing & Medication errors	Lecture	Chapter 1 Krinsky, et al
6	Software's (Smart pharmacy and Digital smart pharmacy)	Lecture	Computer software's
7	Symptom and treatment of Cough	Lecture	Chapter 12 Krinsky, et al
8	Symptom and treatment of Headache	Lecture	Chapter 5 Krinsky, et al
9	Symptom and treatment of Heartburn	Lecture	Chapter 13 Krinsky, et al
10	Symptom and treatment of Nausea and Vomiting	Lecture	Chapter 19 Krinsky, et al
11	Symptom and treatment of Constipation and Diarrhea	Lecture	Chapter 15 & 16 Krinsky, et al
12	Role play scenario	Problem -based learning	-
13	Brief discussion for some vitamins and minerals.	Lecture	Chapter 23 & 50 Krinsky, et al
14	Smoking cessation products	Lecture	Chapter 47 Krinsky, et al
15	OSCE Exam	Problem -based learning	-
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
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جامعة الزيتونة الأردنية  
Al-Zaytoonah University of Jordan  
كلية الصيدلة  
Faculty of Pharmacy



"عراقة وجودة"

"Tradition and Quality"

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