

جامعة الريسونــة الردنيـة Al-Zaytoonah University of Jordan كانية الصيدلة Faculty of Pharmacy



" عراؤة وجودة" "Tradition and Quality"

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

OF02/0408-4.0E

Study Plan No.	2021/20	22	University Spec	cialization	Bachelor of	Pharmacy
Course No.	02013	39	Course Name		Drug Informa Health Info	
Credit Hours	1		Prerequisite *Co-requisite		Pathophysi + *Pharmaco	
Course Type	☐ Mandatory University Requireme nt	☐ University Elective Requirement	☐ Faculty Mandatory Requireme nt	Support cours e famil y requir e ments	☑ Mandatory Requirement	□ Electi ve Requi remen t
Teaching Style	□ Full O	nline Learning	☐ Blended Learning		☑ Tradit Leari	
Teaching Model	e/	nchronous: 1 ynchronous		to Face: 1 achronous	☑ 1 Tradi	tional

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

Name	Academic rank	Office No.	Phone No.	E-m	nail
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 course is designed to introduce students to the basic principles of drug information and their databases by using electronic and other technology-based systems including electronic health records, to capture, store, retrieve, and analyze data to use in patient care as medications and medical history of patients. In addition, the student will be able to use knowledge-based information which forms the scientific basis of health care and includes reference information (about drugs, procedures, disease states, etc.).

Learning Resources

Course Book Information (Title, author, date of issue, publisher etc)	Pharmacy Informatics, Anderson, P.O., S.M. McGuinness and P.E. Bourne, 2009.		
Supportive Learning Resources (Books, databases, periodicals, software, applications, others)	Guide to Health Informatics, Coiera, E., 2015.		
Supporting Websites The Physical Environmentfor Teaching	- Class		
Necessary Equipment and Software	Moodle		



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Pharmacy Department		QF02/0408-4.0E
Supporting People with Special Needs	-	
For Technical Support	E-Learning & Open Educational Resources Center	

Email: <u>elearning@zuj.edu.jo</u>; Phone: +962 6 429 1511 ext. 425/362

Course Plan for Rachalor Program Study Plan Davalanment and Undating Procedures

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

No.	Course Learning Outcomes	The Associated Program Learning Output Code			
	Knowledge				
The s	The student should be able to:				
K1	Describe the role of pharmacy informatics in clinical practice	MK3			
K2	Explain the technologies used in pharmacy informatics.	MK3			
К3	Evaluate the effectiveness of informatics technology in selected healthcare settings.	MK3			
	Skills				
The	The student should be able to:				
S1	Recognize the impact of ethical standards on the use of technology and informatics in healthcare.	MS2			
S2	Select appropriate software for accurately documenting health outcomes.	MS1			
	Competencies				
The s	The student should be able to:				

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%	30%	60%
Asynchronous Interactive Activities	30%	30%	0%	0%
Final Exam	40%	40%	40%	40%

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 encoun ter 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 t o the student).



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

Week	Subject	Learning Style*	Reference ** (Pages in Course Book)
1	What Is Pharmacy Informatics	Lecture	
2	Computer and Informatics Basics	participatorylearning	
3	Information Systems: Hospital Information Systems	participatorylearning	
4	Information Systems: Pharmacy Information Systems	participatorylearning	
5	Information Systems: Bedside Bar Coding Technology and Implementation	participatorylearning	
6	Avoiding Medication Errors	participatorylearning	
7	Tertiary Information Sources for Professionals and Patients	participatorylearning	
8	Clinical Decision Support Systems	participatorylearning	
9	Midterm Exam	-	-
10	Hakeem (Guest Speaker)	participatorylearning	
11	Telehealth	participatorylearning	
12	Ethics and health informatics	participatorylearning	
13	Standardization & Accreditation in Health Care Informatics	participatorylearning	
14	Data Mining for Pharmacy Outcomes	participatorylearning	
15	Final Exam	-	-
16	Final Exam	-	_

^{*} Learning styles: Lecture, flipped learning, learning through projects, learning through problem solving, participatory learning ... 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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^{**} Reference: Pages in a book, database, recorded lecture, content on the e-learning platform, video, website ... etc.