



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	Pharmacy practice 2
2	Course number	1203406
3	Credit hours (theory, practical)	2 theoretical hours
	Contact hours (theory, practical)	2 theoretical hours
4	Prerequisites/corequisites	Pharmacy practice 1 (1203405)
5	Program title	PharmD
6	Program code	
7	Awarding institution	The University of Jordan
8	Faculty	Pharmacy
9	Department	Biopharmaceutics & Clinical Pharmacy
10	Level of course	Undergraduate
11	Year of study and semester (s)	Second semester
12	Final Qualification	PharmD
13	Other department (s) involved in teaching the course	NA
14	Language of Instruction	English
15	Date of production/revision	10/2/2016

16. Course Coordinator:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Coordinator/ Lecturer	Eman Elayeh	Office Number	206	Office phone	Ext: 23341
Office hours	Monday & Wednesday 11-12	Course website	http://elearning.ju.edu.jo/course/view.php?id=4786	E-mail	emanelayeh@gmail.com

17. Other instructors: NA

Office numbers, office hours, phone numbers, and email addresses should be listed.

18. Course Description:

As stated in the approved study plan.

This course introduces students to their professional responsibilities as pharmacists. The course is intended to provide students with a systematic approach to patient-centred pharmaceutical care that will be applied and practiced throughout the curriculum

1. 19. Course aims and outcomes:

2.

A- Aims:

- 1. Understand and implement the basic communications skills**
- 2. Understand and implement the counseling of specific dosage forms (including inhalers, eye drops, ointments and creams,...etc.)**
- 3. Assess patient adherence and compliance**
- 4. Describe how to prepare IV drugs , compatibility and stability**
- 5. Describe how to prepare chemotherapy for patients**
- 6. Understand how to practice good pharmacy and its ethics**
- 7. Understand medications errors and how to prevent them**

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to ...

1. Understand the key points behind effective interpersonal communication
2. Learn how to undertake successful verbal communication
3. Appreciate the importance of non-verbal communication
4. Realize the role of body language in both verbal and non-verbal communication
5. Understand the different types of questioning that can be used and be aware of the role that questioning mnemonics can play in effective patient communication
6. Learn how important listening and clear explanation can be
7. Learn about patient compliance and concordance and the role of both verbal and written communication
8. Understand the importance of clear communication with other healthcare professionals
9. Understand the key counselling points for the following specific dosage forms:
 - ear drops and sprays
 - eye drops
 - eye ointments
 - inhalers
 - liquid oral dosage forms
 - nasal drops
 - nasal sprays
 - oral powders
 - patches
 - pessaries and vaginal creams
 - suppositories
 - tablets and capsules
 - Topical applications.

10. Understand how to prevent medication errors and suggest strategies for prevention
11. Understand how to prepare IV drugs
12. Gain an understanding of the knowledge and skills expected of pharmacists working with people with dementia, their families and carers
13. Understand collection, detection, assessment, monitoring, and prevention of adverse effects with pharmaceutical products
14. Gain an understanding of the knowledge and skills expected of pharmacists working with older people, their families and carers
15. Plan and implement insulin dosing : initiation and titration
16. Understand how to prepare a chemotherapeutic regimen
17. Understand how to practice good pharmacy and its ethics
Program Competencies Achieved:
1. Identify basic principles of drug pharmacokinetics and recognize disease conditions and other factors that interfere with safety and efficacy of medicines
2. Assess patients medical records
3. Interview patients to obtain further information about their medical history, use of medicines, drug allergies and any other factors potentially affecting their therapy
4. Respect and protect the confidentiality of patient's information
5. Maintain, review and update medicine records of patients
6. Verify that patient therapy is based on best scientific evidence available
7. Engage patients in decisions about their therapy
8. Advise patients and other health professionals on proper usage of medicines including their strength, frequency, dosage form and route of administration
9. Identify any medicament-related problems and take appropriate actions to resolve them
10. Recommend necessary modifications to patient therapy to optimize its safety and efficacy
11. Communicate effectively with patients and other healthcare professionals
12. Prepare and deliver presentations effectively
13. Express ideas, instructions and information in a clear and comprehensible manner
14. Considers audience feedback to verify their proper understanding
15. Respond effectively to enquiries presented by patients and other healthcare professionals
16. Exhibit negotiation and influencing skills to resolve conflicts
17. Build positive relationships with patients and other healthcare professionals
18. Acknowledge and respect cultural and religious differences among patients and colleagues
19. Listen to patients and respect their views and choice of treatment options

20. Topic Outline and Schedule:

3.					
Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Patient Counselling and Communication 1: The basics of patient communication:	1-3 (L1-L4)	Eman Elayeh	1-8	Exams , quizzes, role play	Langely and Belcher, 2009 (chapter 8)
Patient counselling and communication 2	3-5 (L5-L8)	Eman Elayeh	9	Exams , quizzes, role play	Langely and Belcher, 2009

- Product-specific counselling points: ear drops, eye drops, special consideration for children etc					(chapter 9)
Adherence and compliance	6	Eman Elayeh	7	Exams , quizzes,	Specified in each lecture. General references provided below
Medication errors: types, prevention, management etc Midterm exam	7	Eman Elayeh	10	Exams , quizzes	Specified in each lecture. General references provided below
IV drug preparation and management: compatibility and stability,	7	Eman Elayeh	11	Exams , quizzes	Specified in each lecture. General references provided below
Good Pharmacy Practice (GPP): Code of Ethics and Oath. A visiting Pharmacist Model (Dr.Samira Goussous)	8	Eman Elayeh	17		Specified in each lecture. General references provided below
Visiting Lecturer: e.g. KHCC and chemotherapy preparation	9	Eman Elayeh	16		Specified in each lecture. General references provided below
Pharmacovigilance	10	Eman Elayeh	13		Specified in each lecture. General references provided below
Pharmaceutical and health care needs of older people and their carers	11	Eman Elayeh	14		Specified in each lecture. General references provided

					below
Pharmaceutical and health care needs of people with mental problems	12	Eman Elayeh	12		Specified in each lecture. General references provided below
Initiation and titration of insulin	13-14	Eman Elayeh	15		Specified in each lecture. General references provided below
Final exam	15				

21. Teaching Methods and Assignments:

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

Learning Methods	Evaluation Methods
Lectures	Exams, Quizzes
Assignment	Patient education material
Role plays	Exams, Quizzes
Visiting lecturers and practitioners from real practice	
Watching videos	

Learning skills:

1. **Critical thinking**
2. **Digital literacy**
3. **Problem-solving skills**
4. **Self-directed learning**
5. **Team and group working**

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

1. **Exams**
2. **Quizzes**
3. **Students reports on assignments**
4. **Role plays**

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

Attendance: Mandatory.

First warning – with 4 absences

Last warning – with 5 absences

Failing in the subject – with 6 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

D- Honesty policy regarding cheating, plagiarism, misbehaviour:

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.

Mid Exam:	40 points
Quizz:	10 points
Final Exam:	50 points
Total	100 points

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

Classrooms, internet classes

24. Required equipment:

Datashow and internet connection

25. References:**A- Required book (s), assigned reading and audio-visuals:**

1. Langely CA, Belcher D. Applied Pharmaceutical Practice. 1st ed. 2008. Pharmaceutical Press. London. 2009. ISBN 978 0 85369 746 6
2. Community and Clinical Pharmacy Services: A Step-by-Step Approach. Ashley W. Ellis, Justin J. Sherman. 2013. ISBN 978-0-07-176375-2
3. Communication Skills in Pharmacy Practice: A Practical Guide for Students and Practitioners. Robert S. Beardsley, Carole L. Kimberlin, William N. Tindall. 2011. SBN-13: 978-1608316021
4. Pharmacy Practice, Second Edition. Geoffrey Harding, Kevin M. G. Taylor
September 24, 2015 by CRC Press , ISBN 9781482253429

B- Recommended books, materials, and media:**26. Additional information:**

Name of Course Coordinator: --Eman Elayah-----Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:

Head of Department
Assistant Dean for Quality Assurance
Course File