



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	Pharmacotherapy IV
2	Course number	1203506
3	Credit hours (theory, practical)	3 (theory)
	Contact hours (theory, practical)	3 (theory)
4	Prerequisites/corequisites	Prerequisite: 1203504 (Pharmacotherapy III)
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 of the 5 th year
12	Final Qualification	PharmD
13	Other department (s) involved in teaching the course	Pharmaceutical Sciences & Pharmaceutics
14	Language of Instruction	English
15	Date of production/revision	31 January 2016

16. Course Coordinator:

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

Prof. Nailya Bulatova, MD, PhD.

<http://eacademic.ju.edu.jo/nyounes/default.aspx>

Office 121

Phone 5 355 000, Ext. 23550.

E-mail: nyounes@ju.edu.jo

Office hours to be announced

17. Other instructors:

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

Prof. Al-Motassem Yousef, PhD.

Office 122.

Phone 5 355 000, Ext. 23557.

E-mail: ayousef@ju.edu.jo

Office hours to be announced

18. Course Description:

As stated in the approved study plan.

Will cover the pathophysiology, clinical presentations, pharmacotherapy (pharmacokinetics & pharmacodynamics, drug/drug interactions, dosage calculations, adverse effects, treatment algorithm, goals of therapy & patient education) of: critical care, women health and CNS disorders.

19. Course aims and outcomes:

A- Aims:

1. Describe the clinical manifestations of selected surgical, critical care, blood conditions & women health issues.
2. Understand the clinical issues of medication use
3. Provide patient education about disease and medications
4. Recommend the most appropriate pharmacological and nonpharmacological treatment for a selected patient

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

A. Knowledge and understanding:

- ✓ To provide students with the knowledge of clinical manifestations, complications, goals of pharmacotherapy and patient education of selected conditions such as surgical, critical care, blood conditions & women health issues.
- ✓ To provide students with the knowledge of clinical uses, pharmacokinetics, clinically significant side effects, drug interactions and contraindications to medications used in the management of the above mentioned conditions.

B. Intellectual skills:

- ✓ To enable students to identify drug-related problems and recommend the appropriate pharmacotherapy treatment.

C. Subject-specific skills:

- ✓ To provide students with the skills required to design rational pharmacotherapy regimens according to the patients' specific conditions.

D. Transferable skills:

- ✓ To enable students to provide information related to diseases and their management through browsing the internet professional sites.
- ✓ To enable students to collect and interpret information from medical guidelines & journal databases (MEDLINE, e-library)

Program Competencies Achieved:

- 2.3 Identify pathophysiological basis of major human diseases
- 2.4 Assess symptoms and diagnostic tests and correlate them with associated diseases
- 2.8 Identify indications, side effects and contraindications of medicines
- 2.9 Identify drug-drug and drug-food interactions of medicines
- 2.15 Verify that patient therapy is based on best scientific evidence available
- 2.17 Advise patients and other health professionals on proper usage of medicines including their strength, frequency, dosage form and route of administration
- 2.18 Identify any medicament-related problems and take appropriate actions to resolve them
- 2.19 Recommend necessary modifications to patient therapy to optimize its safety and efficacy
- 7.4 Follow new advances in science related to the profession
- 7.5 Utilize information technology tools to enhance working experience

20. Topic Outline and Schedule:

1.					
Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
1. Introduction 2.Pain Management	1	Prof. Nailya	2. A1-3, B1, C1	3. Exams, Quizes	4. Specified in each lecture. General references provided below
Pain management 3.Perioperative care	2	Prof. Nailya	A1-3, B1, C1	Exams, Quizes	Specified in each lecture. General references provided below
Perioperative care	3	Prof. Nailya	A1-3, B1, C1	Exams, Quizes	Specified in each lecture. General references provided below
4.Sepsis and septic shock	4	Prof. Nailya	A1-3, B1, C1	Exams, Quizes	Specified in each lecture. General references provided below
5.Acid-base disorders	5	Prof. Nailya	A1-3, B1, C1	Exams, Quizes	Specified in each lecture. General references provided below
6.Disorders of acid-base homeostasis	6	Prof. Nailya	A1-3, B1, C1	Exams, Quizes	Specified in each lecture. General references provided below
7.Disorders of calcium & phosphorous homeostasis Midterm Exam	7	Prof. Nailya	A1-3, B1, C1	Exams, Quizes	Specified in each lecture. General references provided below
8.Disorders of potassium & magnesium homeostasis 9.Total parenteral nutrition	8	Prof. Al-Motassem	A1-3, B1, C1	Exams, Quizes	Specified in each lecture. General references provided below
10.Total parenteral nutrition	9	Prof. Al-Motassem	A1-3, B1, C1	Exams, Quizes	Specified in each lecture. General references provided below
11.Enteral nutrition	10	Prof. Al-Motassem	A1-3, B1, C1	Exams, Quizes	Specified in each lecture. General references

					provided below
12. Anemias	11	Prof. Al-Motassem	A1-3, B1, C1	Exams, Quizzes	Specified in each lecture. General references provided below
13. Menstruation-related disorders	12	Prof. Al-Motassem	A1-3, B1, C1	Exams, Quizzes	Specified in each lecture. General references provided below
14. Perimenopausal management 15. Drugs in pregnancy & lactation	13	Prof. Al-Motassem	A1-3, B1, C1	Exams, Quizzes	Specified in each lecture. General references provided below
16. Pregnancy complications	14	Prof. Al-Motassem	A1-3, B1, C1	Exams, Quizzes	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:

ILO/s	Learning Methods	Evaluation Methods
A1-3, B1, C1	Lectures	Exams, Quizzes
D1	Assignment	Patient education material
D2	Homeworks	Exams, Quizzes

Learning skills:

1. Critical thinking
2. Digital literacy
3. Problem-solving skills
4. Self-directed learning

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

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, misbehavior:

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:	30 points
Quizz:	10 points
Assignments	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. Pharmacotherapy: A Pathophysiological Approach, ed. DiPiro, 9th edition
2. Applied Therapeutics: The Clinical Use of Drugs, ed. Koda-Kimble, 10th edition, 2013
3. Disease management guidelines (specified in lecture notes)

B- Recommended books, materials, and media:

1. Clinical Pharmacy and Therapeutics, ed. Walker & Edwards, 5th edition, 2012
2. Basic & Clinical Pharmacology, ed. Katzung, 12th edition

26. Additional information:

Name of Course Coordinator: Nailya Bulatova -Signature: ----- Date: Jan, 31, 2016

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

Head of Department: Nailya Bulatova Signature: -----

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

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

Copy to:
Head of Department
Assistant Dean for Quality Assurance
Course File