

The University of Jordan

Faculty: Pharmacy Department: Biopharmaceutics and Clinical Pharmacy

Program: PharmD

Pharmacotherapy 3 (1203504)

Fall semester 2014/2015

Credit hours	3	Level	5 th year	Pre-requisite	Pharmacotherapy 2 (1203429)
Coordinator/ Lecturer	Dr. Nailya Bulatova	Office #	102	Office phone	23350
Course website	https://elearning.ju.edu.jo/course/view.php?id=7166&edit=on&sesskey=wuuCgkTXAf	E-mail	nyounes@ju.edu.jo	Place & time	S1: S,T,Th 12.00-12.50 AM (JPM) S2: S,T,Th 2.00-2.50 PM (JOWSE)

Office hours:

Day/time	Sun	Mon	Tue	Wed	Thu
	11-12	13-14	11-12	13-14	11-12

Section 1: Su, Tu, & Thu 12.00 -13.00 (Faculty of Nursing, Ibn Sina amphithéâtre)

Section 2: Su, Tu, & Thu 14.00 -15.00 (Faculty of Pharmacy, Al-Rawhi class)

Upon completion of the course, the student is expected to be able to:-

1. Describe the clinical manifestations of selected CNS, nephrology, gastrointestinal & oncology conditions
2. Understand the clinical aspects of medication use
3. Provide patient education about disease and medications
3. Recommend the most appropriate pharmacological and non-pharmacological treatment for a selected patient
4. Propose the suitable monitoring parameters to ensure safe and effective use of medicines

Intended Learning Objectives:-

A) Knowledge and understanding:-

A1) To provide students with the knowledge of clinical manifestations, complications, goals of pharmacotherapy, patient education of selected CNS, nephrology, gastrointestinal & oncology conditions

A2) To provide knowledge of clinical uses, pharmacokinetics, clinically significant side effects & drug interactions and contraindications to medications used in the treatment of selected CNS, nephrology, gastrointestinal & oncology conditions

B) Intellectual skills:-

B1) Through mini cases examples, to enable students to identify drug-related problems and recommend the appropriate pharmacotherapy treatment

C) Subject-specific skills:-

C1) Develop the ability to tailor the pharmacotherapy regimen according to the patient specific condition

D) Transferable skills:

D1) To enable students to prepare patient education information regarding their diseases and medications.

D2) To enable students to collect and interpret information from disease treatment guidelines & electronic databases (PUBMED, e-library)

Teaching Methods:-

Lectures & homeworks, case discussions

ILOs: Learning and Evaluation Methods

ILO/s	Learning Methods	Evaluation Methods
A. Knowledge and Understanding:	Lectures and Discussions, Homework and Assignments	Exam, Quiz.
B. Intellectual Analytical and Cognitive Skills	Lectures and Discussions, Homework and Assignments	Exam, Quiz.
C. Subject-Specific Skills	Lectures and Discussions, Homework and Assignments	Exam, Quiz.
D. Transferable Key Skills	Homework and Assignments	Exam, Quiz.

Tests and Evaluation-

1. Exams and Quizzes.

Mid Exam:	30 points
Assignment:	10 points
Quiz:	10 points
Final Exam:	50 points

Distribution of Examination Material (may vary depending on material included):-

35% - diseases: etiology & pathogenesis, clinical presentation, stages & classification, complications, disease management guidelines, pharmacotherapy goals, patient education

35% - pharmacotherapy: clinical uses, method of administration, monitoring for efficacy and adverse effects, drug interactions, & contraindications, patient counseling

30% - integration and analysis (solving short cases)

Course content and Schedule:-

Week #	Topic
1 (Sep 14th-18 th)	Introduction Depressive disorders
2 (Sep 21th-25th)	Depressive disorders Sleep disorders
3 (Sep 28th-Oct 2nd)	Anxiety disorders
4 (Oct 12th-16 th)	Alzheimer's disease Epilepsy
5 (Oct 19th-23th)	Epilepsy
6 (Oct 26th-30th)	Solid organ transplantation
7 (Nov 2nd-6 th)	Hemodialysis and peritoneal dialysis Midterm exam
8 (Nov 9th-13 th)	Viral hepatitis
9 (Nov 16th-20 th)	Portal hypertension & cirrhosis
10 (Nov 23th-27 th)	Inflammatory bowel disease
11 (Nov 30th-Dec 4 th)	General principles of cancer chemotherapy
12 (Dec 7th-11th)	Supportive care for cancer patients

13 (Dec 14th-18th)	Supportive care for cancer patients
14 (Dec 21th-25 th)	Supportive care for cancer patients
15 (Dec 28th-Jan 1 st)	Final Exam.

A) References:-

1. Pharmacotherapy: A Pathophysiological Approach, ed. DiPiro, 9th edition, 2014. McGraw-Hill Medical. **ISBN-13: 978-0071800532.**
2. Applied Therapeutics: The Clinical Use of Drugs, ed. Koda-Kimble, 10th ed, 2013. Wolters Kluwer Health/Lippincott Williams & Wilkins. **ISBN-13: 978-1609137137.**
3. Pharmacotherapy Casebook: a Patient-focused Approach, ed. Schwinghammer TL, Koehler JM, 9th edition. 2014. McGraw-Hill Medical. **ISBN-13: 978-0071830133.**
4. Pharmacotherapy principles and practice. Chisholm-Burns MA, 3rd edition, 2013. McGraw-Hill Medical. **ISBN-13: 978-0071780469.**
5. Clinical Pharmacy and Therapeutics, ed. Walker & Whittlesea, 5th edition, 2011. Churchill Livingstone. **ISBN-13: 978-0702042935.**

B) Other Useful Sources:-

1. Disease management guidelines (specified in lecture notes)
2. UpToDate. www.uptodate.com

Important regulations:-

Attendance: Mandatory.

First warning – with 4 absences

Last warning – with 5 absences

Failing in the subject – with 6 absences

No side talks

No use of mobile phones

Do not enter after the instructor

Cheating policy

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

