

Course Syllabus

1	Course title	Therapeutics III	
2	Course number	1203504	
3	Credit hours	3 (theory)	
	Contact hours (theory, practical)	3 (theory)	
4	Prerequisites/corequisites	1203364 (Pharmacology II)	
5	Program title	PharmD	
6	Program code		
7	Awarding institution	The University of Jordan	
8	School	Pharmacy	
9	Department	Biopharmaceutics & Clinical Pharmacy	
10	Course level	undergraduate	
11	Year of study and semester (s)	First semester of the 5th year	
12	Other department (s) involved in teaching the course	None	
13	Main teaching language	English	
14	Delivery method	<input type="checkbox"/> Face to face learning <input checked="" type="checkbox"/> Blended <input type="checkbox"/> Fully online	
15	Online platforms(s)	<input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....	
16	Issuing/Revision Date	October 1, 2023	

17 Course Coordinator:

Name: Prof. Nailya Bulatova

Contact hours: to be announces

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**18 Other instructors:**

Name: Prof. Mayyada Al-Wazaify

Office number: 108

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Contact hours: to be announced

19 Course Description:

Will cover the pathophysiology, clinical presentations, pharmacotherapy (pharmacokinetics & pharmacodynamics, drug/drug interactions, dosage calculations, adverse effects, treatment algorithms, goals of therapy & patient education) of selected oncology, gastrointestinal & CNS conditions.

20 Course aims and outcomes:

A- Aims:

1. Describe the clinical manifestations of selected oncology, gastrointestinal, & CNS conditions
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- Students Learning Outcomes (SLOs):

Program Learning Outcomes (PLOs) Course Learning Outcomes (CLOs)	PLO (1) Care giver	PLO (2) Educ ator	PLO (3) Probl em solver	PLO (4) Profe ssion al
CLO (1) To provide students with the knowledge of clinical manifestations, complications, goals of pharmacotherapy and patient education of selected oncology, gastrointestinal, & CNS conditions.	I	I		
CLO (2) To provide students with the knowledge of clinical uses, pharmacokinetics, clinically significant side effects, drug interactions, contraindications and patient education related to medications used in the management of selected oncology, gastrointestinal, & CNS conditions.	I			
CLO (3) To enable students to recommend the appropriate pharmacotherapy treatment according to the patient's specific condition.	R		R	
CLO (4) To enable students to collect and interpret information from medical guidelines & journal databases (MEDLINE, e-library).	R			
CLO (5) To demonstrate integrity by not cheating in exams and not committing plagiarism				R

21. Topic Outline and Schedule:

Week	Lecture	Topic	CLO	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1 (8-12 Oct)	1.1	Introduction to the course. Clinical pharmacology of cancer	1-6	Face-to-face Instructor:NB	Moodle (e-learning)	Asynchronous	Quiz 1	Specified in each lecture.
	1.2	General principles of cancer chemotherapy	1-6	Face-to-face Instructor:NB	Moodle (e-learning)	Asynchronous	Quiz 1	Specified in each lecture.
2 (15-19 Oct)	2.1	Supportive care for cancer patients 1. emesis	1-6	Face-to-face Instructor:NB	Moodle (e-learning)	Asynchronous	Exams	Specified in each lecture.
	2.2	Supportive care for cancer patients 2. infections + myeloid growth factors	1-6	Face-to-face Instructor:NB	Moodle (e-learning)	Asynchronous	Exams	Specified in each lecture.
3 (22-26 Oct)	3.1	Supportive care for cancer patients 3. anemia	1-6	Face-to-face Instructor:NB	Moodle (e-learning)	Asynchronous	Exams	Specified in each lecture.
	3.2	Supportive care for cancer patients 4. VTE	1-6	Online Instructor:NB	MS Teams	Asynchronous	Exams	Specified in each lecture.
4 (29 Oct-2 Nov)	4.1	Supportive care for cancer patients 5. Miscellaneous ADRs of chemotherapy	1-6	Online Instructor:NB	MS Teams	Asynchronous	Exams	Specified in each lecture.
	4.2	Portal hypertension & cirrhosis	1-6	Face-to-face Instructor:NB	Moodle (e-learning)	Asynchronous	Exams	Specified in

								each lecture.
5 (5-9 Nov)	5.1	Portal hypertension & cirrhosis	1-6	Face-to-face Instructor:NB	Moodle (e-learning)	Asynchronous	Exams	Specified in each lecture.
	5.2	Viral hepatitis	1-6	Face-to-face Instructor:NB	Moodle (e-learning)	Asynchronous	Exams	Specified in each lecture.
6 (12-16 Nov)	6.1	Viral hepatitis	1-6	Face-to-face Instructor:NB	Moodle (e-learning)	Asynchronous	Exams	Specified in each lecture.
	6.2	Inflammatory bowel disease	1-6	Online Instructor:NB	MS Teams	Asynchronous	Exams	Specified in each lecture.
7 (19-23 Nov)	7.1	Inflammatory bowel disease	1-6	Online Instructor:NB	MS Teams	Asynchronous	Exams	Specified in each lecture.
	7.2	Midterm exam						
8 (26-30 Nov)	8.1	Epilepsy	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.
	8.2	Epilepsy	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.
9 (3-7 Dec)	9.1	Sleep disorders	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.
	9.2	Sleep disorders	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.

10 (10-14 Dec)	10.1	Depressive disorders Types- Diagnosis- DSM-V	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.
	10.2	Treatment of MDD	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.
11 (17-21 Dec)	11.1	Pharmacotherapy of MDD	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.
	11.2	Pharmacotherapy of MDD	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.
12 (24-28 Dec)	12.1	Anxiety disorders (GAD, SAD, Panic Disorder, Phobias)	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.
	12.2	Anxiety disorders (GAD, SAD, Panic Disorder, Phobias)	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.
13 (31 Dec-4 Jan)	13.1	Anxiety Disorders (PTSD, OCD)	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.
	13.2	Anxiety Disorders (PTSD, OCD)	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.
14 (7-11 Jan)	14.1	Alzheimer's disease	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.



	14.2	Alzheimer's disease	1-6	Face-to-face Instructor:MW	Moodle (e-learning)	Asynchronous	Exams, quizzes	Specified in each lecture.
15 (14-18 Jan)		Final exam						

22 Evaluation Methods:

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

Evaluation Activity	Mark	Topic(s)	CLOs	Period (Week)	Platform
Midterm Exam	30	Lectures 1.1-6.1	1-5	Estimated week 7	On campus
Online videos with embedded questions	10	Will be announced close to the activity	4-5	Weeks 1-14	Moodle (e-learning)
Quizzes	20	Topics will be assigned close to the quiz time	1-5	Two quizzes, each out of 10 marks: approximately at weeks 5 and 9	Online or in-class
Final Exam	40	All Topics	1-5	Week 15	On campus

23 Course Requirements

A computer or smartphone, internet connection, UJ account to access Moodle and the UoJ exam platform

24 Course Policies:

A- Attendance policies:

Attendance: Mandatory.



First warning – with 4 hr absences (3 lectures)

Last warning – with 5 hr (4 lectures) absences

Failing in the subject – with 6 hr (more than 4 lectures) absences

B- Absences from exams and submitting 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:

According to the School system reflected in Bylaws.

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

Classrooms equipped with computers, internet connections, e-learning (Moodle) platform, computer classes for online exams.

25 References:

A- Required book(s), assigned reading and audio-visuals:

1. Pharmacotherapy: A Pathophysiological Approach, ed. DiPiro, 12th edition, 2022.
2. Applied Therapeutics: The Clinical Use of Drugs, ed. Koda-Kimble, 11th edition, 2018.
3. Disease management guidelines (the most updated editions, specified in lecture notes).



B- Recommended books, materials, and media:

1. Basic & Clinical Pharmacology, ed. Katzung, 15th edition, 2021.

26 Additional information:

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Name of Course Coordinator: Prof. Nailya Bulatova Signature: ----- Date: October, 17, 2022	
Head of Curriculum Committee/Department: ----- Signature: -----	
Head of Department: Dr. Shereen Aleidi	Signature: -----
Head of Curriculum Committee/Faculty:	Signature: -----
Dean: Prof. Rula Darwish	Signature: -----