

Course Description Form

1. Course Name:					
Applied Therapeutics II (Theoretical)					
2. Course Code:					
Phcls24_529					
3. Semester / Year:					
2 nd semester / 5 th year					
4. Description Preparation Date:					
1/9/2024					
5. Available Attendance Forms:					
Students' signature on attendance sheet					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2 hours Theoretical (30) / 2 units					
7. Course administrator's name					
Name: Assist. Prof Dr. Harith Khalid Al-Qazzaz Email: Al_qazzaz73@uomosul.edu.iq Assist. Prof Dr. Mohammed Ibrahim Aladul Email: m.i.m.aladul@uomosul.edu.iq Lecturer. Islam Tariq Qasim Email: islam.tarik@uomosul.edu.iq Name: Lec. Heba Muwafaq Attash Email: heba.attash@uomosul.edu.iq Name: Lec. Zainab M. Mahmood Email: zainab.alshamaa@uomosul.edu.iq					
8. Course Objectives					
Course Objectives 1- Educate the fifth stage pharmacy students' important diseases and its therapy 2- The use of medications in chronic diseases and in special populations 3- Learning about endocrinologic, gynaecologic, psychiatric and oncologic diseases					
9. Teaching and Learning Strategies					
- Lecturing: Use of detailed lectures, animations, and case studies to clarify concepts. - Interactive Sessions: Engaging students in discussions on treatment protocols. - Homework and Case Studies: Application-based assignments to promote problem-solving skills. - Collaborative Learning: Group discussions on complex therapeutic decision-making. - Clinical Simulations: Providing real-world scenarios for practical application of therapeutic principles.					
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Explain the regulation and physiologic roles of hormones produced by the adrenal glands. Describe the pharmacologic management of Cushing syndrome, Conn disease and adrenal insufficiency	Adrenal gland disorders	Theoretical lectures.	Paper-based exams

2	2	Describe the management of hypothyroidism and hyperthyroidism	Thyroid gland disorders	Theoretical lectures.	Paper-based exams
3	2	Describe the pathophysiology, management of Alzheimer disease	Alzheimer disease	Theoretical lectures.	Paper-based exams
4	2	Describe the pathophysiology, management of anxiety	Generalized anxiety disorders	Theoretical lectures.	Paper-based exams
5	2	Describe the pathophysiology, management of depression	Depressive disorders	Theoretical lectures.	Paper-based exams
6	2	Describe the pathophysiology, management of schizophrenia	Schizophrenia	Theoretical lectures.	Paper-based exams
7	2	Describe the pathophysiology, management of insomnia	Insomnia	Theoretical lectures.	Paper-based exams
Mid-term exam					
8		Describe the methods of contraception	Contraception	Theoretical lectures.	Paper-based exams
9	2	Describe the methods of hormonal therapy	Hormonal replacement therapy	Theoretical lectures.	Paper-based exams
10	2	Describe the pathophysiology, management of menstruation related disorders	Menstruation related disorders	Theoretical lectures.	Paper-based exams
11	2	Describe the pathophysiology, management of cancer	Cancer chemotherapy & treatment	Theoretical lectures.	Paper-based exams
12	2	Describe the pathophysiology, management of leukemias	Leukemias	Theoretical lectures.	Paper-based exams
13	2	Describe the pathophysiology, management of breast cancer	Breast cancer	Theoretical lectures.	Paper-based exams
14	2	Describe the pathophysiology, management of prostate cancer	Prostate cancer	Theoretical lectures.	Paper-based exams

15	2	Describe the management of chemotherapy induced adverse effects	Adverse effects of chemotherapy		
11. Course Evaluation					
<ul style="list-style-type: none"> • 30 M Theoretical assessment; (paper-based mid-term exam + Homework+ Attendance) • 70 M paper-based theoretical final exam <hr/> 100 M total					
12. Learning and Teaching Resources					
Required textbooks			Chisholm-Burns MA, Schwinghammer TL, Malone PM, et al. Pharmacotherapy principle and practice. 6th edition. 2022		
Main references (sources)			Joseph T. DiPiro, Robert L. Pharmacotherapy Handbook. 12th Edition. 2023.		
Recommended books and references (scientific journals, reports...)			Educational videos		
Electronic References, Websites			YouTube		
Percentage of updating			0%		