

Course Description Form

1. Course Name:	
Pharmacology III	
2. Course Code:	
Phph23-4212	
3. Semester / Year:	
2 nd Semester/ 4 th year	
4. Description Preparation Date:	
20/3/2024	
5. Available Attendance Forms:	
Excel sheets	
6. Number of Credit Hours (Total) / Number of Units (Total):	
2 hours per week (30 hour) /2 units	
7. Course administrator's name	
Name: Assis. Prof. Dr. Musab Mohammed Khalaf Email: musabph74@uomosul.edu.iq Assis. Prof. Dr. Hani Mhedi Almkhtar Email: haniialmkhtar@uomosul.edu.iq Assis. Prof. Dr. Ghayth M. Abdulrazzaq Email: ghayth.abdulrazzaq@uomosul.edu.iq Assis. Prof. Mohannad Imad Al-Gazzaz Email: mohannad.qazzaz@uomosul.edu.iq	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> Study the pathophysiology of inflammation and illustrate the anti-inflammatory drugs and drugs used in inflammatory condition with important details about biological agent. Study drugs used in gout Study the Antidiabetic drugs whether insulin and other Antidiabetic drugs. Apply pharmacological concepts about hormones of the hypothalamus and pituitary gland, in addition to the hormones of thyroid gland including drugs used in hypo and hyper thyroidism. Study the gonadal hormones and their inhibitors in addition to contraceptives Give important information about drugs use in obesity, drugs used in osteoporosis, and drugs used in erectile dysfunction. Apply pharmacological concepts about anticancer drugs
9. Teaching and Learning Strategies	
Strategy	<ul style="list-style-type: none"> Lectures and Interactive Presentations Case-Based Learning Interactive Workshops and Seminars Self-Directed Learning and Research Projects Assessment Strategies

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Acquired Pharmacological Knowledge	Hypothalamic and pituitary hormones	Lecture	Quizzes and Exams
2	2	Acquired Pharmacological Knowledge	Thyroid and Antithyroid drugs	Lecture	Quizzes and Exams
3	2	Acquired Pharmacological Knowledge	Estrogens	Lecture	Quizzes and Exams
4	2	Acquired Pharmacological Knowledge	progestins, and androgens	Lecture	Quizzes and Exams
5	2	Acquired Pharmacological Knowledge	Contraceptives	Lecture	Quizzes and Exams
6	2	Acquired Pharmacological Knowledge	The adrenal hormones	Lecture	Quizzes and Exams
7	2	Acquired Pharmacological Knowledge	Drugs affecting bone metabolism	Lecture	Quizzes and Exams
8	2	Acquired Pharmacological Knowledge	Drugs for diabetes (insulin)	Lecture	Quizzes and Exams
9	2	Acquired Pharmacological Knowledge	Oral hypoglycemic agents	Lecture	Quizzes and Exams
10	2	Acquired Pharmacological Knowledge	Anti-inflammatory drugs	Lecture	Quizzes and Exams
11	2	Acquired Pharmacological Knowledge	Drugs for RA	Lecture	Quizzes and Exams
12	2	Acquired Pharmacological Knowledge	Drugs for Gout	Lecture	Quizzes and Exams
13	2	Acquired Pharmacological Knowledge	Cancer chemotherapy	Lecture	Quizzes and Exams

14	2	Acquired Pharmacological Knowledge	Cancer chemotherapy	Lecture	Quizzes and Exams
15	2	Acquired Pharmacological Knowledge	Cancer chemotherapy	Lecture	Quizzes and Exams

11. Course Evaluation

- 30 M: Midterm Exam (25%) and Quizzes (5%)
 - 70 M: Final Exam
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- 100 M total

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Lippincott Illustrated Reviews Pharmacology, Six th edition (2015)
Main references (sources)	Basic and Clinical Pharmacology 15 th edition (2021)
Recommended books and references (scientific journals, reports...)	Crash Course Pharmacology, Pharmacology of Essential Medicines
Electronic References, Websites	PubMed (https://pubmed.ncbi.nlm.nih.gov/) Medscape (https://www.medscape.com/) Drugs.com, DrugBank, The world of pharmaceuticals