

### Course Description Form

1. Course Name:	
Pharmacology II (Theoretical+ Practical)	
2. Course Code:	
Phpht23-414	
3. Semester / Year:	
1 <sup>st</sup> Semester/4 <sup>th</sup> year	
4. Description Preparation Date:	
01/9/2023	
5. Available Attendance Forms:	
Students' signature on attendance sheet	
6. Number of Credit Hours (Total) / Number of Units (Total)	
3 hours Theoretical + 2 hours Practical (75) /4 units	
7. Course administrator's name	
Theoretical	
Name: Assist. Prof Dr. Musab M Khalaf Email: <a href="mailto:Musabph74@uomosul.edu.iq">Musabph74@uomosul.edu.iq</a> Assist. Prof Dr. Hani M Al-Mukhtar Email: <a href="mailto:HaniAlmukhtar@uomosul.edu.iq">HaniAlmukhtar@uomosul.edu.iq</a> Assist. Prof. Dr. Ghayth M Abdulrazzaq Email: <a href="mailto:ghayth.abdulrazzaq@uomosul.edu.iq">ghayth.abdulrazzaq@uomosul.edu.iq</a> Assist. Prof. Dr. Adnan Ali Zainal Email: <a href="mailto:Adnan.zainal2010@uomosul.edu.iq">Adnan.zainal2010@uomosul.edu.iq</a> Lecturer Dr. Aseel Abdul Ellah Email: <a href="mailto:Aseel.ahmed@uomosul.edu.iq">Aseel.ahmed@uomosul.edu.iq</a> Lecturer Dr. Mohammed Daowd Mahmoud Email: <a href="mailto:Mohameddaowd@uomosul.edu.iq">Mohameddaowd@uomosul.edu.iq</a>	
Practical	
Name: Assist. Prof Dr. Musab M Khalaf Email: <a href="mailto:Musabph74@uomosul.edu.iq">Musabph74@uomosul.edu.iq</a> Assist. Prof Dr. Hani M Al-Mukhtar Email: <a href="mailto:HaniAlmukhtar@uomosul.edu.iq">HaniAlmukhtar@uomosul.edu.iq</a> Assist. Prof. Dr. Ghayth M Abdulrazzaq Email: <a href="mailto:ghayth.abdulrazzaq@uomosul.edu.iq">ghayth.abdulrazzaq@uomosul.edu.iq</a> Assist. Prof. Dr. Adnan Ali Zainal Email: <a href="mailto:Adnan.zainal2010@uomosul.edu.iq">Adnan.zainal2010@uomosul.edu.iq</a> Lecturer Dr. Aseel Abdul Ellah Email: <a href="mailto:Aseel.ahmed@uomosul.edu.iq">Aseel.ahmed@uomosul.edu.iq</a> Lecturer Dr. Mohammed Daowd Mahmoud Email: <a href="mailto:Mohameddaowd@uomosul.edu.iq">Mohameddaowd@uomosul.edu.iq</a>	
8. Course Objectives	
<b>Course Objectives</b> Basic Knowledge about the pharmacology of drugs used for various systemic diseases including, CNS, CVS, GIT, and Respiratory system.	<ul style="list-style-type: none"> <li>Providing students with theoretical knowledge about the mechanism of action of drugs and side effects they may cause.</li> <li>Training students and developing their skills in the practical</li> </ul>

		aspects of pharmacology.			
9. Teaching and Learning Strategies					
<b>Strategy</b>		Lecturing Homework Quiz Practical laboratory demonstrations.			
10. Course Structure					
<b>Week</b>	<b>Hours</b>	<b>Required Learning Outcomes</b>	<b>Unit or subject name</b>	<b>Learning method</b>	<b>Evaluation method</b>
1	3+2	Understanding the physiological mechanisms of CNS activities	Introduction CNS drugs	Theoretical lectures. Laboratory experiments	Paper-based exams
2	3+2	Understanding the details of Antidepressants Pharmacology	Antidepressant	Theoretical lectures. Laboratory demonstration.	Paper-based exams
3	3+2	Understanding the details of Antipsychotics Pharmacology	Antipsychotics	Theoretical lectures. Laboratory demonstration.	Paper-based exams
4	3+2	Understanding the details of Various opioids actions	Opioid drugs	Theoretical lectures. Laboratory demonstration.	Paper-based exams
5	3+2	Understanding the details of General and Local anesthetics Pharmacology	Anaesthetic drug	Theoretical lectures. Laboratory experiments.	Paper-based exams
6	3+2	Understanding the details of CNS stimulants Pharmacology	CNS stimulants	Theoretical lectures. Laboratory demonstration.	Paper-based exams
7	3+2	Understanding the details of Anti-Parkinson drugs Pharmacology	Anti-Parkinson's drugs	Theoretical lectures. Laboratory demonstration.	Paper-based exams
8	<b>Mid-term exam</b>				
9	3+2	Understanding the details of Antiepileptics Pharmacology	Antiepileptics	Theoretical lectures. Laboratory demonstration.	Paper-based exams
10	3+2	Understanding the details of Sedative & hypnotics drugs Pharmacology	Sedative & hypnotics drugs	Theoretical lectures. Laboratory demonstration.	Paper-based exams
11	3+2	Understanding the details of Antihypertensive drugs	Antihypertensive drugs	Theoretical lectures. Laboratory demonstration.	Paper-based exams

12	3+2	Understanding the details of Antianginal drugs	Antianginal drug	Theoretical lectures. Laboratory demonstration.	Paper-based exams
13	3+2	Understanding the details of Heart failure drugs	Heart failure drug	Theoretical lectures. Laboratory demonstration.	Paper-based exams
14	3+2	Understanding the details of Antiarrhythmic drugs	Antiarrhythmic drugs	Theoretical lectures. Laboratory demonstration.	Paper-based exams
15	3+2	Understanding the details of drugs acting on respiratory system	Drugs acting on respiratory system	Theoretical lectures. Laboratory demonstration.	Paper-based exams
16	3+2	Understanding the details of GIT drugs	GIT drugs	Theoretical lectures. Laboratory demonstration.	Paper-based exams

#### 11. Course Evaluation

- 20 M Theoretical assessment; (paper-based mid-term exam + quiz + attendance)
- 20 M practical assessment (attendance + quiz + practice + Homework)
- 60 M paper-based theoretical final exam

---

100 M total

#### 12. Learning and Teaching Resources

Required textbooks	Lippincott's Illustrated Review
Main references (sources)	Katzung Pharmacology Rang and Dale's Pharmacology Medical Pharmacology at a Glance
Electronic References, Websites	Pubmed.com