

**School of Health Sciences / Nursing**  
**2023 - 2024 Academic Year**  
**PHARMACOLOGY**  
**Syllabus**

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
PHARMACOLOGY	HEM2160700	Fall Semester	2+0	2	3
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Assist.Prof. Nihal SUNAL				
<b>Name of Lecturer(s)</b>	Assist.Prof. Nihal SUNAL				
<b>Assistant(s)</b>					
<b>Aim</b>	This course is aimed to teach basic concepts in pharmacology and toxicology and also be get information as pharmaco-dynamic and pharmacokinetic characteristics of medicine that affect organ systems with adverse effects of these medicine.				
<b>Course Content</b>	This course contains; Introduction to pharmacology and toxicology, definition and basic concepts ,Types of medicinedrugs, ways of practice and responsibilities of nurse ,Pharmacokinetics,Pharmacodynamics, pharmacovigilance ,Chemotherapeutics,Cardiovascular system drugs,-Respiratory system drugs,Autonomic nervous system drugs ,Central nervous system drugs,Gastrointestinal system drugs,Endocrine system drugs,Autokoids,Analgesic and anesthetic drugs ,Drug abuse and substance dependence Assessment of the course .				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
To be able to explain basic concepts related to pharmacology			16, 9	A, E, G	
To be able to discuss the responsibilities of nurses in drug practice			16, 20, 9	A, E, G	
To be able to explain pharmacokinetic and pharmaco-dynamic terms			16, 9	A, E, G	
To be able to discuss general pharmacological effects of medicine on organ systems and indications and adverse effects			16, 9	A, E, G	
To be able to summarize of mechanism and indications of chemotherapies			16, 9	A, E, G	
To be able to define drug abuse and substance dependence			16, 9	A, E, G	
To be able to discuss ethical issues regarding the drug administration.			16, 9	A, E, G	
To be able to develop a awareness regarding the safe medicine applications.			16, 9	A, E, G	
<b>Teaching Methods</b>	16: Question - Answer Technique, 20: Reverse Brainstorming Technique, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam, E: Homework, G: Quiz				
<b>Lecture Schedule</b>					
<b>Sequenc e</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Introduction to pharmacology and toxicology, definition and basic concepts	Investigation of 1-5. Pages in 1th reference			
2	Types of medicinedrugs, ways of practice and responsibilities of nurse	Investigation of 27-28 Pages in 3th reference			
3	Pharmacokinetics	Investigation of 36-54. Pages in 4th reference			
4	Pharmacodynamics, pharmacovigilance	Investigation of 1-25. Pages in 5th reference			
5	Chemotherapeutics	Investigation of 101-123. Pages in 3th reference			
6	Cardiovascular system drugs	Investigation of 103-117. Pages in 3th reference			
7	-Respiratory system drugs	Investigation of 79-84. Pages in 3th reference			
8	Autonomic nervous system drugs	Investigation of 161-175. Pages in 6th reference			
9	Central nervous system drugs	Investigation of 191-203. Pages in 4th reference			
10	Gastrointestinal system drugs	Investigation of 255-259.Pages in 3th reference			
11	Endocrine system drugs	Investigation of 101-108. Pages in 6th reference			
12	Autokoids	Investigation of 109-113. Pages in 3th reference			
13	Analgesic and anesthetic drugs	Investigation of 175-181. Pages in 3th reference			
14	Drug abuse and substance dependence Assessment of the course	Investigation of 233-237. Pages in 3th reference			
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
(Midterm Exam) Homework		10			
(Midterm Exam) mid-exam		10			
(Midterm Exam) written exam		20			
Midterm Exam		40			
(General Exam) written exam		60			
General Exam		60			
<b>Resources</b>					
1. Clinical pharmacology and nursing Charold L. Bradley R. 2006 ss:3-18					
2. Süzer Ö. Farmakolojinin temelleri 2002. Ss:1-5					
3. Dökmeci İ. Sağlık yüksek okulları için farmakoloji kısaltılmış temel bilgiler 2011 ss:27-28.					
4. Kayaalp O. Rasyonel Tedavi Yönünden Tıbbi Farmakoloji 12.baskı 2009, ss:36-54.					
5. Howlan, Mycek (2009). Çev: Filiz Onat, Zafer Gönen, Lippincott Farmakoloji, 3. Basım Nobel tıp kitabevi ss:1-25					
Kara H. Sağlık yüksek okulları için farmakoloji 2010 ss:101-108					