

Course Title	Code	Semester	Theoretical (hours/week)	Practice (hours/week)	Laboratory (hours/week)	ECTS
Pharmacology	HEM204	2.Year/4. Semester / Autumn	2	0	0	4
Prerequisites	None					
Language of Instruction	Turkish					
Course Type	Compulsory					
Learning and teaching techniques of the Course	Lecture, Discussion, Question & Answer, laboratory studies, Experiment, Other.					
Instructor(s)						
Goal	Learning of basic principles of pharmacology, terminology of pharmacology, general and specific points of drugs.					
Learning Outcomes	1. Learning introduction, basic principles, general and specific terminology of pharmacology 2. Learning of general and specific points of drugs 3. Learning of autonomic drugs 4. Learning of cardiovascular drugs 5. Learning of central nervous system drugs 6. Learning of respiratory system drugs 7. Learning importance of autacoids on drug effects 8. Learning of chemotherapeutic agents					
References	1. Rasyonel Tedavi Yönünden Tıbbi Farmakoloji, Prof Dr. S. Oğuz Kayaalp. 2. Farmakoloji Temel Kavramlar, Prof. Dr. İsmet DÖKMECİ. 3. Goodman and Gilman, Laurence L. Brunton.					

Course Outline Weekly:

Weeks	Topics
1. Week	Introduction of pharmacology (pharmaceutical forms of drugs, routes of administration of drugs)
2. Week	Absorption, distribution, metabolism and excretion of drugs (pharmacokinetics)
3. Week	Factors that change the effect of drugs, Drug interactions, Toxic effects of drugs, Drug dependence.
4. Week	Autonomic nervous system drugs. sympathomimetic, sympathetic, pararem-pathomimetic and parasympatholytic drugs.
5. Week	Cardiovascular system drugs
6. Week	Central Nervous System Drugs.
7. Week	Chemotherapeutic drugs.
8. Week	MIDTERM EXAM
9. Week	Respiratory system drugs
10. Week	Digestive system drugs
11. Week	Drugs that affect endocrine functions
12. Week	otokoids
13. Week	Using medicine with care,
14. Week	Pharmacovigilance
15. Week	An overview
16. Week	FINAL EXAM

Evaluation System

Mid-Term Studies	Number	Contribution
Midterm exams	1	%50
Quiz		
Laboratory		
Practice		
Field Study		
Course Internship (If There Is)		
Homework's		
Presentation and Seminar		
Project		
Other evaluation methods		
Total Time To Activities For Midterm		%50
Final works		
Final	1	%50
Homework		
Practice		
Laboratory		
Total Time To Activities For Midterm		%50
Contribution Of Midterm Studies On Grades		%50
Contribution Of Final Exam On Grades		%50
Total		100

ECTS (Student WorkLoad Table)

Activities	Number	Duration	Total Work Load
Course Duration (X14)	14	2	28
Laboratory			
Practice			
Field Study			
Study Time Of Outside Of Class (Pre-Study, Practice, Etc.)	14	3	42
Presentations (Video shoot/Poster preparation/Oral presentation, Etc.)			
Seminars			
Project			
Case study	1	10	10
Role playing, Dramatization			
Writing articles, Critique			
Time To Prepare For Midterm Exam	1	6	6
Final Exam Preparation Time	1	14	14
Total Work Load (hour) / 25(s)		100/25=4	
ECTS		4	

The relationship between learning outcomes and the program qualifications of the courses

Program Qualifications	Learning outcomes				
	L.O.1	L.O.2	L.O.3	L.O.4	L.O.5
1. Competent and has the capabilities to fulfill their occupational duties.	5	5	5	5	5
2. Knows the theories and models that form the basis of Professional practice.			3	2	4
3. Has the general knowledge required to be both an individual and a member of the occupation.		3	4	3	4
4. Carries out nursing practice based on the principles and standards.					
5. Meets the health-care needs of the individuals, families and the society with a holistic approach.					
6. Makes use of effective communication.					
7. Utilizes information and care technologies in professional practice and research.					
8. Uses scientific principles and techniques in Nursing practice.					
9. Follows the latest advances and communicates with colleagues in a foreign language.					
10. Behaves according with the professional ethics and values.					
11. Takes the related legislation and regulations into account in Nursing practice.					
12. Follows the politics and regulations affecting the Nursing profession.					
13. Uses the learning-teaching and management processes in Nursing practice.					
14. Uses the life-long learning, problem-solving and critical thinking abilities.					
15. With a sense of social responsibility takes part in studies, projects and some other activities with other team members and other disciplines.					
16. Joins in activities that can contribute to professional development.					
17. Sets as a model for colleagues and the society with their professional identity.					
18. Protects the basic values and social rights.					
Contribution to the level of proficiency: 1. Lowest, 2. Low / Medium, 3. Average, 4. High, 5. Excellent					