

PHARMACOLOGY

Course Name	Code	Term	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)	ECTS
Pharmacology	FTR 235	2.year/ 1.term fall	2	-	-	4
Prequisites	-					
Course language	Turkish					
Course type	Elective					
Learning and teaching strategies	Face-to-Face					
Instructor (s)						
Course objective(Aim of course)	The aim of the course is to teach the students the basic mechanism of pharmacological agents, characteristics and side effects of agents affecting organ systems.					
Learning outcomes	<ol style="list-style-type: none"> 1. Defines basic concepts for pharmacology and toxicology. 2. Learns mechanism of and biological responses to pharmacological agents. 3. Evaluates pharmacodynamic and pharmacokinetic characteristics and side effects of agents affecting organ systems. 					
References	1. Kayaalp SO. Rasyonel Tedavi Yönünden Tibbi Farmakoloji. 11. baskı, 2005					

Course outline weekly:

Weeks	Topics
1. Week	Pharmacokinetics, pharmacodynamics

2. Week	Drugs for autonomic nervous system,
3. Week	Autacoids
4. Week	Cardiovascular pharmacology
5. Week	Respiratory pharmacology
6. Week	Drugs for central nervous system: antiepileptic; opioid analgesics and antagonists
7. Week	Drugs for central nervous system: Antidepressants, antipsychotics, drugs for neurodegenerative diseases
8. Week	I. Mid-term evaluation
9. Week	Drugs for central nervous system: sedatives, local anesthetics, muscle relaxants, general anesthetics
10. Week	Drug abuse
11. Week	Endocrine system drugs: pancreas hormones and ant diabetics;
12. Week	Endocrine system drugs: drugs affecting lipid metabolism
13. Week	Endocrine system drugs: corticosteroids-mineraocorticosteroids; drugs affecting bone homeostasis, Chemotherapeutics
14. Week	II. Mid-term evaluation
15. Week	General evaluation

ECTS (Student Work Load 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			
Role playing, Dramatization			
Writing articles, Critique			
Time To Prepare For Midterm Exam	1	14	14
Final Exam Preparation Time	1	16	16
Total Work Load (hour) / 25(s)	100 / 25		
ECTS	4		

Evaluation System

Mid-Term Studies	Number	Contribution

Midterm exams	1	%100
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		100
Final works		
Final	1	%100
Homework		
Practice		
Laboratory		
Total Time To Activities For Midterm		100
Contribution Of Midterm Studies On Grades		%50
Contribution Of Final Exam On Grades		%50
Total		100

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
1. Sufficient background in basic- clinical medical sciences and physical therapy and rehabilitation discipline; ability to use theoretical and practical skills and knowledge in these fields with analytical thinking	5	5	5
2. Ability to determine, define, formulate and solve the factors that affect health; ability to choose and apply evidence based techniques and new methods for this aim.			
3. Ability to choose and use modern equipments, techniques and modalities for physiotherapy and rehabilitation practices; effectively use the informatique technologies.			
4. Ability to design multidisciplinary research, keep records, collect appropriate data, analysis and interpret results.			
5. Ability to attain new knowledge, make literature reviews, use medical databases and sources of information devoted to medical- health sciences			
6. To work autonomously and effectively in health team and self confidence to take responsibility			
7. To internalize characteristically development, literate and lifelong learning; quality development,to contribute education and promotion programs in field,to internationalize their professional behavior.			
8. To have professional deontology and ethical			

awareness				
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Contribution to the level of proficiency: 1. Lowest, 2. Low / Medium, 3. Average, 4. High, 5. Excellent