TOROS ÜNİVERSİTESİ

Vocatıonal School
Medıcal Imagıng Techniques

Course Information

PHARMACOLOGY					
Code	**Semester**	**Theoretical**	**Practice**	**National Credit**	**ECTS Credit**
		Hour / Week			
TGT112	Spring	2	0	2	2

Prerequisites and co-requisites	
Language of instruction	Turkish
Type	Required
Level of Course	Associate
Lecturer	Lect. Ayça AKTAŞ ŞÜKÜROĞLU
Mode of Delivery	Face to Face
Suggested Subject	No
Professional practise (internship)	None
Objectives of the Course	Pharmacology is the study of drugs that interact with living systems. Students will be able to express their knowledge about mechanism of detoxification, dispersion and absorption of each drug group, mechanism and effects of drugs to body, drug interactions and side effects.
Contents of the Course	Pharmacological terms, drug routes of administration, dosage forms, drug absorption, distribution, metabolism and elimination, chemotherapeutics, cardiovascular system drugs, hormones and hormonomimetic drugs, drugs used in the central nervous system diseases general and local anesthetics ,narcotic analgesics, drug use in the elderly.

Learning Outcomes of Course

#	Learning Outcomes
1	Students can make definition of Pharmacology, and counts basic features of drugs.
2	Students can tell routes of drugs administration, pharmaceutical forms and their properties.
3	Tells the name, endications, side effects and other properties of penicillines, cephalosporines, aminoglycosides, tetracyclines.
4	Tells the name, endications, side effects and other properties of amphenicols, antiviral drugs, antiamibic drugs, antineoplastic drugs, fluoroquinolones.
5	Tells the mechanisms that contributing to cardiovascular system homeostasis. Tells the characteristic properties of antihypertensives, antiarrhythmics, anticoagulans.
6	Knows and counts the diuretics, peripheric vasodilators, antianginal drugs and drugs used in heart failure.

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Pharmacological terms, pharmaceutical dosage forms	Statement, discussion
2	Passage of drugs from biological membranes, routes of drug administration, action mechanisms of drugs	Statement, discussion
3	Pharmacokinetic	Statement, discussion
4	Pharmacodynamics	Statement, discussion
5	Tetracyclines, amphenicols, sulfonamides, antifungal agents, antiseptic and disinfectans, antimalarials	Statement, discussion
6	Drud usage in pregnancy, introduction to chemotherapeutics, penicillines, cephalosporines, macrolides	Statement, discussion

7	Cardiac glycosides, hypolipidemic drugs, antitrombotic drugs, hemostatic drugs	Statement, discussion
8	Mid-term Exam	Multiple Choice Questions
9	Introduction to central nervous system, neuromuscular blockers	Statement, discussion
10	Sedative and hypnotics, antiparkinson drugs, nonsteroidal antiinflammatory drugs	Statement, discussion
11	Antitussif, expectorant and mucolytic drugs, broncodilator and antiastmatic drugs	Statement, discussion
12	Antidepressants, antipsychotic agents, antiepileptic drugs, antiobesity drugs	Statement, discussion
13	General and local anesthetics	Statement, discussion
14	Narcotic analgesics	Statement, discussion
15	Toxic effects of drugs, acute drug intoxication	Statement, discussion
16	Final Exam	Multiple Choice Questions

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Rasyonel Tedavi Yönünden Tıbbi Farmakoloji, Tedavinin Farmakolojik Temelleri		
2	Sağlık Bilimleri Fakülteleri ve Sağlık Yüksekokulları İçin Farmakoloji-İsmet Dökmeci		

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	Students can make definition of Pharmacology, and counts basic features of drugs.	10	1,2
2	Students can tell routes of drugs administration, pharmaceutical forms and their properties.	10	1,2
3	Tells the name, endications, side effects and other properties of penicillines, cephalosporines, aminoglycosides, tetracyclines.	10	1,2
4	Tells the name, endications, side effects and other properties of amphenicols, antiviral drugs, antiamibic drugs, antineoplastic drugs, fluoroquinolones.	10	1,2
5	Tells the mechanisms that contributing to cardiovascular system homeostasis. Tells the characteristic properties of antihypertensives, antiarrhythmics, anticoagulans.	10	1,2
6	Knows and counts the diuretics, peripheric vasodilators, antianginal drugs and drugs used in heart failure.	10	1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	2	28
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	2	28
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0

6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	1	1
8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	0	0	0
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	1	1
16	Final Exam	1	1	1
				60