

Vocational School / Emergency and Medical Aid
2024 - 2025 Academic Year
BASIC PHARMACOLOGY
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
BASIC PHARMACOLOGY	İAY1125700	Fall Semester	2+0	2	4
Prerequisites Courses					
Recommended Elective Courses	None				
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Assist.Prof. Çağlar MACİT				
Name of Lecturer(s)	Lect. Bade Cevriye BAHTİYAR				
Assistant(s)	None				
Aim	To provide knowledge about the subjects of the basic pharmacology and drug toxicities.				
Course Content	This course contains; Introduction to pharmacology,Dosage forms of the drugs,Routes of drug administration,Drug absorption,Drug distribution,Drug Metabolism,Drug excretion,Dose-concentration-effect relationship,Mechanisms of drug actions and rational drug use principles,Factors Modifying the Effects of Drugs in Individuals,Pharmacogenetics & Pharmacovigilance,Pharmacodynamic and pharmacokinetic drug interactions,Drug toxicity,Hypersensitivity reactions.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1. Summarizes the basic subjects of the pharmacology.			16, 9	A, C	
1.1. defines the drug pharmacokinetics and pharmacodynamics.			16, 9	A, C	
1.2. explains the functions of drug pharmacokinetics and pharmacodynamics.			16, 9	A, C	
1.3. summarizes the drugs pharmacokinetics and pharmacodynamics.			16, 9	A, C	
2. Summarizes the drug toxicity and addiction.			16, 9	A, C	
2.1. defines the drug toxicity and abuse.			16, 9	A, C	
2.2. explains the drug toxicity and their mechanism.			16, 9	A, C	
2.3. names the drug toxicity, and drug abuse.			16, 9	A, C	
3. Summarizes the drug allergy subjects of the pharmacology.			16, 9	A, C	
3.1. defines the drug allergy.			16, 9	A, C	
3.2. explain the drug allergy.			16, 9	A, C	
3.3. names the drug allergy.			16, 9	A, C	
Teaching Methods	16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, C: Multiple-Choice Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Introduction to pharmacology				
2	Dosage forms of the drugs				
3	Routes of drug administration				
4	Drug absorption				
5	Drug distribution				
6	Drug Metabolism				
7	Drug excretion				
8	Dose-concentration-effect relationship				
9	Mechanisms of drug actions and rational drug use principles				
10	Factors Modifying the Effects of Drugs in Individuals				
11	Pharmacogenetics & Pharmacovigilance				
12	Pharmacodynamic and pharmacokinetic drug interactions				
13	Drug toxicity				
14	Hypersensitivity reactions				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Pharmacology notes will be given to the students. Kayaalp, SO: Rasyonel Tedavi Yönünden Tıbbi Farmakoloji, Ankara.