

**Vocational School / Electroneurophysiology**

**2024 - 2025 Academic Year**

**BASIC PHARMACOLOGY**

**Syllabus**

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
BASIC PHARMACOLOGY	EFZ1125700	Fall Semester	2+0	2	4
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>	None				
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	Short Cycle (Associate's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Assist.Prof. Çağlar MACİT				
<b>Name of Lecturer(s)</b>	Lect. Bade Cevriye BAHTİYAR				
<b>Assistant(s)</b>	None				
<b>Aim</b>	To provide knowledge about the subjects of the basic pharmacology and drug toxicities.				
<b>Course Content</b>	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.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
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	
<b>Teaching Methods</b>	16: Question - Answer Technique, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam, C: Multiple-Choice Exam				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
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				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

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