

**International School of Medicine / Medicine (English)**

**2023 - 2024 Academic Year**

**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>
PHARMACOLOGY	ISM2015429	Yearly	24+0	0	2
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	English				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Committee Course				
<b>Course Coordinator</b>	Assoc.Prof. Volkan AYDIN				
<b>Name of Lecturer(s)</b>	Prof.Dr. Amina Mahdy SALLAM, Assoc.Prof. Volkan AYDIN				
<b>Assistant(s)</b>					
<b>Aim</b>	The aim of the course is to teach the general pharmacokinetic, pharmacodynamic and pharmacogenetic properties of drugs; provide information on autacoids and antimicrobial agents				
<b>Course Content</b>	This course contains; Introduction to pharmacology and fundamental concepts,New drug development: Phases & basic concepts,Pharmaceutical forms & Routes of administration,Pharmacokinetics: Absorption & Distribution,Pharmacokinetics: Metabolism & Excretion,Pharmacodynamics: Modes of drug action & dose-concentration-response relationship,Factors modifying effects of drugs,Basic and clinical aspects of drug toxicity,Drugs affecting the parasympathetic nervous system,Drugs affecting the sympathetic nervous system,Autacoids,Vitamins & minerals: Deficiencies & supplementation.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
<b>Teaching Methods</b>					
<b>Assessment Methods</b>					
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Introduction to pharmacology and fundamental concepts	Preparation for the lecture notes previously issued.			
2	New drug development: Phases & basic concepts	Preparation for the lecture notes previously issued.			
3	Pharmaceutical forms & Routes of administration	Preparation for the lecture notes previously issued.			
4	Pharmacokinetics: Absorption & Distribution	Preparation for the lecture notes previously issued.			
5	Pharmacokinetics: Metabolism & Excretion	Preparation for the lecture notes previously issued.			
6	Pharmacodynamics: Modes of drug action & dose-concentration-response relationship	Preparation for the lecture notes previously issued.			
7	Factors modifying effects of drugs	Preparation for the lecture notes previously issued.			
8	Basic and clinical aspects of drug toxicity	Preparation for the lecture notes previously issued.			
9	Drugs affecting the parasympathetic nervous system	Preparation for the lecture notes previously issued.			
10	Drugs affecting the sympathetic nervous system	Preparation for the lecture notes previously issued.			
11	Autacoids	Preparation for the lecture notes previously issued.			
12	Vitamins & minerals: Deficiencies & supplementation	Preparation for the lecture notes previously issued.			
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

<b>Resources</b>
Hardman JG, Limbird LE, Eds.: Goodman and Gilman's The Pharmacological Basis of Therapeutics, New York.; Katzung & Trevor: Pharmacology, Kayaalp, SO: Rasyonel Tedavi Yönünden Tibbi Farmakoloji, Ankara.