Course Syllabus

Code - Course Title	**ECZ244 - Introduction to Pharmacy and Basic Medical Sciences**
Course Type	IV. SEMESTER
Laboratory + Practice	4+0
ECTS	**4.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. ÖZLEM ATLI EKLİOĞLU, PROF. DR. NURCAN BEKTAŞ TÜRKMEN

Mode of Delivery	The mode of delivery of this course is Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to Pharmacology, General Principles of Toxicology	
Week - 2		Basic Drug Information, General Principles of Toxicology	
Week - 3		Basic Drug Information, Non-Organ Specific Toxicity	
Week - 4		Routes of Drug Administration, Non-Organ Specific Toxicity	
Week - 5		Pharmacokinetics, Non-Organ Specific Toxicity	
Week - 6		Pharmacokinetics, Toxic Agents	
Week - 7		Pharmacokinetics, Toxic Agents	
Week - 8		Pharmacokinetics, Toxic Agents	
Week - 9		Pharmacodynamics, Applications of Toxicology	
Week - 10		Pharmacodynamics, Applications of Toxicology	
Week - 11		Pharmacodynamics, Applications of Toxicology	
Week - 12		Pharmacodynamics, Pharmacovigilance, Veterinary Drug Safety	
Week - 13		Pharmacodynamics, Pharmacovigilance, Veterinary Drug Safety	
Week - 14		Pharmacodynamics, Pharmacovigilance, Veterinary Drug Safety	

Learning Outcomes

#	Learning Outcome
1	Will be able to define pharmacology.
2	Will be able to define the subfields of pharmacology.
3	Will be able to define treatment methods.
4	Will be able to define a drug.
5	Will be able to explain drug sources.
6	Will be able to define the purposes of drug use.
7	Will be able to explain the characteristics of drug effects.
8	Will be able to classify drugs.
9	Will be able to name drugs.
10	Will be able to explain the stages of new drug development.
11	Will be able to define the local routes of drug administration.
12	Will be able to explain the systemic routes of drug administration.
13	Will be able to explain absorption.
14	Will be able to explain distribution.
15	Will be able to explain metabolism.
16	Will be able to explain excretion.
17	Will be able to explain the dose-concentration-effect relationship.
18	Will be able to explain drug action mechanisms.
19	Will be able to explain factors that modify drug effect.
20	Will be able to explain the history and scope of toxicology.
21	Will be able to define the principles of toxicology.
22	Will be able to explain the mechanisms of toxicity.
23	Will be able to explain risk assessment.
24	Will be able to explain chemical carcinogenesis.
25	Will be able to explain genetic toxicology.
26	Will be able to explain developmental toxicology.
27	Will be able to explain the toxic effects of pesticides.
28	Will be able to explain the toxic effects of metals.
29	Will be able to define the toxic effects of solvents and gases.
30	Will be able to explain the toxic effects of radiation and radioactive materials.
31	Will be able to explain the toxic effects of plants and animals.
32	Will be able to define environmental toxicology.
33	Will be able to explain ecotoxicology.
34	Will be able to explain food toxicology.
35	Will be able to define analytical and forensic toxicology.
36	Will be able to explain clinical toxicology.
37	Will be able to explain occupational toxicology.
38	Will be able to explain pharmacovigilance.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.