Course Syllabus

Code - Course Title	**ECZ498 - Pharmacy and Basic Medical Sciences IV**
Course Type	VIII. SEMESTER
Laboratory + Practice	5+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. RANA ARSLAN, DOÇ. DR. NAZLI TURAN YÜCEL

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.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Digestive System Anatomy, Digestive System Physiology	
Week - 2		Immune System Anatomy, Immune System Physiology	
Week - 3		Endocrine System Anatomy, Endocrine System Physiology	
Week - 4		Endocrine System Anatomy, Endocrine System Physiology	
Week - 5		I. Module Exam	
Week - 6		Drugs Used in the Treatment of Peptic Ulcer, Emetic, Antiemetic, and Prokinetic Drugs	
Week - 7		Laxative and Purgative Drugs, Antidiarrheal Drugs, Other Drugs Affecting the Digestive System	
Week - 8		Immunosuppressant Drugs, Immunostimulant Drugs, Antiallergic Drugs, Adverse Effects Induced by Immune System Drugs	
Week - 9		Adverse Effects Induced by Digestive System Drugs	
Week - 10		II. Module Exam	
Week - 11		Hypothalamic and Pituitary Hormone Drugs, Thyroid Hormone Preparations and Antithyroid Drugs	
Week - 12		Estrogens, Progestins and Their Antagonists, Androgens, Anabolic Steroids, and Antiandrogenic Drugs	
Week - 13		Insulin-Glucagon Analogs and Antidiabetic Drugs	
Week - 14		Corticosteroids, Corticosteroid Antagonists, and ACTH, Parathyroid Hormone and Vitamin D Preparations and Calciotropic Drugs	

Learning Outcomes

#	Learning Outcome
1	Will be able to define the components of the immune system.
2	Will be able to define the components of the endocrine system.
3	Will be able to define the components of the digestive system.
4	Will be able to define the accessory digestive glands.
5	Will be able to explain general physiological concepts related to the immune system.
6	Will be able to explain general physiological concepts related to the physiology of the endocrine system.
7	Will be able to define hypothalamic hormones.
8	Will be able to define pituitary hormones.
9	Will be able to define thyroid hormones.
10	Will be able to define parathyroid hormone, vitamin D, and calcitonin.
11	Will be able to define pancreatic hormones.
12	Will be able to define adrenal cortex hormones (glucocorticoids, mineralocorticoids).
13	Will be able to define sex steroids.
14	Will be able to explain the general principles of gastrointestinal function—motility, neural control, and blood circulation.
15	Will be able to explain the movement and mixing of food in the digestive tract.
16	Will be able to explain the secretory functions of the digestive tract.
17	Will be able to explain digestion and absorption in the gastrointestinal tract.
18	Will be able to explain the physiology of gastrointestinal disorders.
19	Will be able to explain the liver as an organ.
20	Will be able to explain immunosuppressive drugs.
21	Will be able to explain immunostimulant drugs.
22	Will be able to explain antiallergic drugs.
23	Will be able to explain hypothalamic and pituitary hormone drugs.
24	Will be able to explain thyroid hormone preparations and antithyroid drugs.
25	Will be able to explain parathyroid hormone and vitamin D preparations, and calciotropic drugs.
26	Will be able to explain insulin-glucagon analogs and antidiabetic drugs.
27	Will be able to explain corticosteroids, corticosteroid antagonists, and ACTH.
28	Will be able to explain estrogens, progestins, and their antagonists.
29	Will be able to explain androgens, anabolic steroids, and antiandrogenic drugs.
30	Will be able to explain the drugs used in the treatment of peptic ulcers.
31	Will be able to explain laxative and purgative drugs.
32	Will be able to explain antidiarrheal drugs.
33	Will be able to explain emetic, antiemetic, and prokinetic drugs.
34	Will be able to explain other drugs that affect the digestive system.
35	Will be able to define the adverse effects induced by immunosuppressive drugs.
36	Will be able to explain the adverse effects induced by immunostimulant drugs.

Learning Outcomes

#	Learning Outcome
37	Will be able to explain the adverse effects induced by thyroid hormone preparations and antithyroid drugs.
38	Will be able to define the adverse effects induced by parathyroid hormone and vitamin D preparations, as well as calciotropic drugs.
39	Will be able to define the adverse effects induced by insulin-glucagon analogs and antidiabetic drugs.
40	Will be able to define the adverse effects induced by corticosteroids, corticosteroid antagonists, and ACTH.
41	Explains the adverse effects induced by estrogens, progestins, and their antagonists.
42	Will be able to explain the adverse effects induced by androgens, anabolic steroids, and antiandrogenic drugs.
43	Will be able to explain the adverse effects induced by drugs used in the treatment of peptic ulcers.
44	Will be able to explain the adverse effects induced by laxatives and purgatives.
45	Will be able to define the adverse effects induced by antidiarrheal drugs.
46	Will be able to identify adverse effects induced by emetic, antiemetic, and prokinetic drugs.
47	Will be able to define the adverse effects induced by other drugs affecting the digestive system.

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.