

**GAZI UNIVERSITY FACULTY OF MEDICINE**  
**YEAR II**  
**2021-2022 EDUCATIONAL YEAR**  
**ENDOCRINE AND UROGENITAL SYSTEM COMMITTEE**

(07.03.2022– 15.04.2022)

<b>COURSES</b>	<b>THEORETICAL</b>	<b>LAB</b>	<b>TOTAL</b>
Anatomy	15	2X9	17
Histology and Embryology	19	4X9	23
Physiology	33	2x9	35
Medical Biochemistry	16	1x9	17
Medical History and Ethics	4		4
<b>TOTAL</b>	<b>87</b>	<b>9</b>	<b>96</b>
Elective Lectures	6		6
<b>INTRODUCTION TO MEDICINE</b>			
Problem Based Learning (PBL)		6	6
Clinical Skills Education (CSE)		2	2
Medical English	8		8
<b>TOTAL</b>	<b>101</b>	<b>17</b>	<b>118</b>

13.04.2022

**WEDNESDAY**

**PHASE II APPLIED EXAM**

14.04.2022

**THURSDAY**

**PHASE II APPLIED EXAM**

15.04.2022

**FRIDAY**

**PHASE II THEORETICAL EXAM**

Dean	Prof.Dr. Mustafa Necmi İLHAN
Vice Dean	Prof. Dr. İlyas OKUR
Vice Dean	Prof. Dr. Özlem GÜZEL TUNÇCAN
Head Coordinator	Prof. Dr. Çiğdem ÖZER
Assistant Head Coordinator	Prof.Dr. Mehmet Ali ERGÜN
Assistant Head Coordinator	Prof.Dr. Akif Muhtar ÖZTÜRK
<b>Phase II Coordinator</b>	<b>Assist. Prof.Dr. Süheyla Esra ÖZKOÇER</b>
<b>Assistant Phase II Coordinator</b>	<b>Assist. Prof.Dr.Zeynep YIĞMAN (ENG)</b>
<b>Assistant Phase II Coordinator</b>	<b>Teach. Assist. Dr. Pelin TÜRKKAN</b>
<b>Assistant Phase II Coordinator</b>	<b>Teach. Assist. Dr. Ece ALİM</b>
<b>Assistant Phase II Coordinator</b>	<b>Teach. Assist. Dr. Nihan ÖRÜKLÜ</b>

**MEMBERS OF COMMITTEE**

<b>ANATOMY</b>	<b>HISTOLOGY &amp; EMBRYLOGY</b>	<b>PHYSIOLOGY</b>	<b>MEDICAL BIOCHEMISTRY</b>	<b>MEDICAL ETHICS &amp; DEONTOLOGY</b>
Dr.Meltem BAHÇELİOĞLU	Dr. Çiğdem ELMAS	Dr. Şevin GÜNEY	Dr.Neslihan BUKAN	Dr.Nesrin ÇOBANOĞLU
Dr. Kerem ATALAR	Dr. Zeynep YIĞMAN	Dr. Meltem SEVGİLİ	Dr. Aylin SEPİCİ DİNCEL	Dr. Namık ÇENÇEN
Dr. Ece ALİM	Dr. Esra ÖZKOÇER		Dr. Cengiz KARAKAYA	

<b>ANATOMY LABORATORY</b>	<b>HISTOLOGY &amp; EMBRYLOGY LABORATORY</b>	<b>PHYSIOLOGY LABORATORY</b>	<b>MEDICAL BIOCHEMISTRY LAB</b>
Dr.Meltem BAHÇELİOĞLU	Dr. Çiğdem ELMAS	Dr. Şevin GÜNEY	Dr. Aylin SEPİCİ DİNCEL
Dr. Kerem ATALAR	Dr. Gülnur TAKE KAPLANOĞLU	Dr. Meltem SEVGİLİ	
Dr. Ece ALİM	Dr. Zeynep YIĞMAN	Dr. Pelin TÜRKKAN	
	Dr. Duygu DAYANIR	Dr. Hilal KORKMAZ	
	Dr. Esra ÖZKOÇER		
	Dr. Özen DİZAKAR		

<b>Elective Course Coordinator</b>	Doç. Dr. Ergin DİLEKÖZ
<b>Problem Based Learning Coordinator</b>	Doç.Dr. Özlem COŞKUN
<b>Clinical Skills Education Coordinator</b>	Prof.Dr.Melda AYBAR TÜRKOĞLU

## **ENDOCRINE AND UROGENITAL SYSTEM COMMITTEE**

### **Objective:**

Should be able to explain the embryonic development, anatomical and histological structure of endocrine, excretory and reproductive system. Should be able to explain structure, synthesis and mechanism of action of hormones. Should be able to explain the functions of endocrine, excretory and reproductive system physiologically and interpret the connections with the clinic.

### **LEARNING OBJECTIVES**

#### **Knowledge Based**

- LO-200-4-1 Should be able to explain which germ leaves the endocrine organs develop from and in which weeks of development it occurs
- LO-200-4-2 Should be able to describe the anatomical and histological structures of endocrine organs (hypothalamus, pituitary gland, thyroid, pancreas, adrenal gland, etc.)
- LO-200-4-3 Should be able to describe the general mechanisms of action of hormones, homeostatic control systems, negative and positive feedback mechanisms
- LO-200-4-4 Should be able to explain the biochemical properties and mechanisms of action of hormones
- LO-200-4-5 Should be able to explain from which germ leaves and when the urinary system develops
- LO-200-4-6 Should be able to describe the anatomical and histological structure of kidneys, bladder and ureters
- LO-200-4-7 Should define the physiological functions of the kidney and be able to grasp the connections with the other systems in the maintenance of homeostasis
- LO-200-4-8 Should be able to explain from which germ leaves and when the genital system develops
- LO-200-4-9 Should be able to tell genital channel differentiation and role hormones in male and female
- LO-200-4-10 Should be able to say genital organs of male and female, histological changes in ovarian cycle, to explain gametogenesis
- LO-200-4-11 Should define the mechanisms of pregnancy, lactation and menopause
- LO-200-4-12 Should be able to explain male reproductive system functions
- LO-200-4-13 Should be able to list the mechanisms that provide bladder functions and control
- LO-200-4-14 Should be able to differentiate some clinical findings (diabetes, hypothyroidism, hyperparathyroidism etc.) related to endocrine system dysfunctions
- LO-200-4-15 Should be able to say the rules of professional ethics, physician - patient relationship.
- LO-200-4-16 Should be able to have a problem-based approach to diseases

#### **Application Based (practical skills)**

- LO-200-4-17 Should be able to show the ability to insert male and female catheters
- LO-200-4-18 Should be able to recognize endocrine organs, kidney sections, bladder and ureter under the microscope
- LO-200-4-19 Should be able to show male genital organs and channels, ovarian follicles, tuba uterina, uterine layers, vagina and cervix at microscope level
- LO-200-4-20 Should be able to demonstrate the ability to choose the appropriate behavior in medical practice

#### **Skills Based (intellectual and transferable skills)**

- LO-200-4-21 Should be aware of the importance of cadaver use
- LO-200-4-22 Should be aware of the importance of microscope use in histology education
- LO-200-4-23 Should develop sensitivity about the rules of profession and to be able to use empathy

1 <sup>st</sup> WEEK	07.03.2022 MONDAY A	08.03.2022 TUESDAY B	09.03.2022 WEDNESDAY A	10.03.2022 THURSDAY B	11.03.2022 FRIDAY A
08:30-09:15	Endocrine Glands Dr. Atalar	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	
09:30-10:15	Endocrine Glands Dr. Atalar	General Properties and classification of hormones Dr. Sepici Dinçel	Urinary Bladder, Urethra Dr. Alim	Pelvis and perineum Dr. Bahçelioğlu	Male internal and external genital organs Dr. Atalar
10:30-11:15	Pituitary and Pineal Glands Dr. Yiğman	General Properties and classification of hormones Dr. Sepici Dinçel	Internal iliac artery, pudental plexus Dr. Alim	The mechanism of action and signalling pathways of hormone Dr. Sepici Dinçel	Male internal and external genital organs Dr. Atalar
11:30-12:15	Pituitary and Pineal Glands Dr. Yiğman	The Pituitary-Hypothalamus Relationship and Hypothalamic Hormones Dr. Guney	The Pituitary-Hypothalamus Relationship and Hypothalamic Hormones Dr. Guney	The mechanism of action and signalling pathways of hormone Dr. Sepici Dinçel	Urinary System Embryology Dr. Yiğman
13:30-14:15	Neuroendocrine integration and intercellular communications Dr. Guney	<b>ONLINE COURSES</b>  <b>ELECTIVE COURSES</b> TIME: 15:30-16:30  <b>ENGLISH</b> TIME: 17:30-18:20	Endocrine Functions of Hypothalamus Dr. Guney	Female internal and external genital organs Dr. Atalar	Urinary System Embryology Dr. Yiğman
14:30-15:15	Kidney and Ureters Dr. Alim		Histology and embryology of thyrod and parathyroid glands Dr. Yiğman	Female internal and external genital organs Dr. Atalar	Urinary System Histology Dr. Yiğman
15:30-16:15	Kidney and Ureters Dr. Alim		Histology and embryology of thyrod and parathyroid glands Dr. Yiğman	Adrenal Glands Dr. Özkoçer	
16:30-17:15	Questions Analysis of 3rd Committee Exam and Feedback		FREE STUDY TIME	Adrenal Glands Dr. Özkoçer	

2 <sup>nd</sup> WEEK	14.03.2022 MONDAY B	15.03.2022 TUESDAY A	16.03.2022 WEDNESDAY	17.03.2022 THURSDAY A	18.03.2022 FRIDAY B
08:30-09:15	Hypothalamus and pituitary gland hormones Dr.Bukan	Thyroid Hormones Dr.Sevgili	Physiologic actions of Posterior pituitary hormones Dr. Guney	WHITE COAT CEREMONY	FREE STUDY TIME
09:30-10:15	Hypothalamus and pituitary gland hormones Dr.Bukan	Thyroid Hormones Dr.Sevgili	Urinary System Histology Dr. Yiğman	WHITE COAT CEREMONY	FREE STUDY TIME
10:30-11:15	Physiologic actions of Anterior pituitary hormones Dr. Guney	Clinical and radiographic anatomy Dr. Bahçelioğlu	Urinary System Histology Dr. Yiğman	WHITE COAT CEREMONY	FREE STUDY TIME
11:30-12:15	Physiologic actions of Anterior pituitary hormones Dr. Guney	Clinical and radiographic anatomy Dr. Bahçelioğlu	FREE STUDY TIME	WHITE COAT CEREMONY	Thyroid Hormones Dr. Bukan
13:30-14:15	Histology Lab 1	ONLINE COURSES  ELECTIVE COURSES TIME: 15:30-16:30  ENGLISH TIME: 17:30-18:20	PBL	FREE STUDY TIME	Reproductive System Embryology Dr. Elmas
14:30-15:15	Histology Lab 1		PBL	FREE STUDY TIME	Reproductive System Embryology Dr. Elmas
15:30-16:15	Histology Lab 1		PBL	FREE STUDY TIME	FREE STUDY TIME
16:30-17:15	Histology Lab 1		PBL	FREE STUDY TIME	FREE STUDY TIME

3 <sup>rd</sup> WEEK	21.03.2022 MONDAY YEAR 3.EXAM	22.03.2022 TUESDAY	23.03.2022 WEDNESDAY A	24.03.2022 THURSDAY B	25.03.2022 FRIDAY A
08:30-09:15	Physiology Lab 1	Histology Lab 2	Endocrine functions of pancreas Dr. Guney	Adrenal cortex and medullary hormones Dr. Sevgili	Adrenal cortex and medullary hormones Dr. Sevgili
09:30-10:15	Physiology Lab 1	Histology Lab 2	Endocrine functions of pancreas Dr. Guney	Adrenal cortex and medullary hormones Dr. Sevgili	Hormones regulating calcium metabolism Dr. Sepici Dincel
10:30-11:15	Physiology Lab 1	Histology Lab 2	Histology of female reproductive system Dr. Elmas	Pancreatic Hormones Dr. Bukan	Adrenal Medulla Hormones Dr. Bukan
11:30-12:15	Physiology Lab 1	Histology Lab 2	Histology of female reproductive system Dr. Elmas	Pancreatic Hormones Dr. Bukan	Adrenal Medulla Hormones Dr. Bukan
13:30-14:15	Anatomy Lab 1	<b>ONLINE COURSES</b>  <b>ELECTIVE COURSES</b> <b>TIME: 15:30-16:30</b>  <b>ENGLISH</b> <b>TIME: 17:30-18:20</b>	PBL	Parathyroid Hormone, regulation of Calcium Metabolism Dr. Guney	Histology of female reproductive system Dr. Elmas
14:30-15:15	Anatomy Lab 1		PBL	Parathyroid Hormone, regulation of Calcium Metabolism Dr. Guney	Histology of male reproductive system Dr. Elmas
15:30-16:15	Anatomy Lab 1		PBL	FREE STUDY TIME	FREE STUDY TIME
16:30-17:15	Anatomy Lab 1		PBL	FREE STUDY TIME	FREE STUDY TIME

4 <sup>th</sup> WEEK	28.03.2022 MONDAY	29.03.2022 TUESDAY B	30.03.2022 WEDNESDAY A	31.03.2022 THURSDAY B	01.04.2022 FRIDAY A
08:30-09:15	Physiology Lab 2	Medical Ethics Principles Dr. Çobanoğlu Dr. Çençen	Functions of male gonads Dr. Sevgili	Functions of nephron Dr.Ş. Guneş	FREE STUDY TIME
09:30-10:15	Physiology Lab 2	Declarations of World Medical Association Dr. Çobanoğlu Dr. Çençen	Functions of male gonads Dr. Sevgili	Glomerular filtration Dr.Ş. Guneş	FREE STUDY TIME
10:30-11:15	Physiology Lab 2	Histology of male reproductive system Dr. Elmas	Functions of kidney Dr.Ş. Guneş	Adrenal Cortex Hormones Dr. Bukan	Reuptake events in nephron Dr.Ş. Guneş
11:30-12:15	Physiology Lab 2	Histology of male reproductive system Dr. Elmas	Functions of kidney Dr.Ş. Guneş	Adrenal Cortex Hormones Dr. Bukan	Reuptake events in nephron Dr.Ş. Guneş
13:30-14:15	Anatomy Lab 2	ONLINE COURSES  ELECTIVE COURSES TIME: 15:30-16:30  ENGLISH TIME: 17:30-18:20	PBL	Female Gonad Hormones Dr. Sevgili	Medical Action and Legal Responsibility of the Physician Dr. Çobanoğlu Dr. Çençen
14:30-15:15	Anatomy Lab 2		PBL	Female Gonad Hormones Dr. Sevgili	Charter of Medical Deontology and Medical Ethics Dr. Çobanoğlu Dr. Çençen
15:30-16:15	Anatomy Lab 2		PBL	FREE STUDY TIME	FREE STUDY TIME
16:30-17:15	Anatomy Lab 2		PBL	FREE STUDY TIME	FREE STUDY TIME

5 <sup>th</sup> WEEK	04.04.2022 MONDAY B	05.04.2022 TUESDAY A	06.04.2022 WEDNESDAY B	07.04.2022 THURSDAY	08.04.2022 FRIDAY YEAR 1 EXAM
08:30-09:15	FREE STUDY TIME	Gonadal Hormones Dr. Karakaya	FREE STUDY TIME	CSE	FREE STUDY TIME
09:30-10:15	Renal mechanisms for diluting and concentrating urine Dr.Ş. Guneş	Gonadal Hormones Dr. Karakaya	FREE STUDY TIME	CSE	FREE STUDY TIME
10:30-11:15	Clinical and radiographic anatomy Dr. Bahçelioğlu	Fluid electrolyte balance Dr.Ş. Guneş	Importance of clearance in kidney functions Dr.Ş. Guneş	CSE	FREE STUDY TIME
11:30-12:15	Clinical and radiographic anatomy Dr. Bahçelioğlu	Regulation of Acid-Base balance Dr.Ş. Guneş	Urine excretion and diuresis Dr.Ş. Guneş	CSE	FREE STUDY TIME
13:30-14:15	Histology Lab 3	<b>ONLINE COURSES</b>  <b>ELECTIVE COURSES</b> <b>TIME: 15:30-16:30</b>  <b>ENGLISH</b> <b>TIME: 17:30-18:20</b>	Endocrine and Metabolic Changes in Pregnancy and Lactation Dr. Sevgili	CSE	FREE STUDY TIME
14:30-15:15	Histology Lab 3		Neonatal Physiology and Growth Dr. Sevgili	CSE	FREE STUDY TIME
15:30-16:15	Histology Lab 3		FREE STUDY TIME	CSE	FREE STUDY TIME
16:30-17:15	Histology Lab 3		FREE STUDY TIME	CSE	FREE STUDY TIME



6 <sup>th</sup> WEEK	11.04.2022 MONDAY YEAR 1 EXAM	12.04.2022 TUESDAY	13.04.2022 WEDNESDAY	14.04.2022 THURSDAY	15.04.2022 FRIDAY
08:30-09:15	Biochemistry Lab	FREE STUDY TIME	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II THEORETICAL EXAM
09:30-10:15	Biochemistry Lab	FREE STUDY TIME	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II THEORETICAL EXAM
10:30-11:15	Biochemistry Lab	FREE STUDY TIME	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II THEORETICAL EXAM
11:30-12:15	Biochemistry Lab	FREE STUDY TIME	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	PHASE II THEORETICAL EXAM
13:30-14:15	Histology Lab 4	<b>ONLINE COURSES</b>  <b>ELECTIVE COURSES</b> <b>TIME: 15:30-16:30</b>  <b>ENGLISH</b> <b>TIME: 17:30-18:20</b>	PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	FREE STUDY TIME
14:30-15:15	Histology Lab 4		PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	FREE STUDY TIME
15:30-16:15	Histology Lab 4		PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	FREE STUDY TIME
16:30-17:15	Histology Lab 4		PHASE II APPLIED EXAM	PHASE II APPLIED EXAM	FREE STUDY TIME