

UROGENITAL SYSTEM

1	Course Title:	UROGENITAL SYSTEM
2	Course Code:	TIP2006
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	4
7	ECTS Credits Allocated:	4.50
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr.Gör. Tıp Fakültesi Öğrenci İşleri
15	Course Lecturers:	Prof. Dr. Erdoğan Şendemir, Prof. Dr. Zeynep Kahveci, Prof. Dr. İ. Hakan Oygucu, Prof. Dr. Yeşim Özarda, Prof. Dr. Zehra Serdar, Prof. Dr. Nevzat Kahveci, Prof. Dr. Özhan Eyigör, Doç. Dr. Bülent Gören
16	Contact information of the Course Coordinator:	oeeyigor@uludag.edu.tr 295 4065 U.Ü. Tıp Fak. Histoloji ve Embriyoloji AD.
17	Website:	
18	Objective of the Course:	The aim of the course is to teach the anatomical, histological, physiological and biochemical properties of the urinary and genital system organs.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To comprehend the anatomical properties and localizations of the urogenital system organs.
	2	To comprehend the physiological properties of the urogenital system organs.
	3	To comprehend the histological properties of the urogenital system organs.
	4	To macroscopically identify the anatomical structures and their neighboring structures on cadavers and models.
	5	To identify the normal histologic structure and cellular properties of the urogenital system organs under the microscope.
	6	To comprehend the biochemical properties of the electrolyte-water balance and acid-base balance
	7	To understand the biochemical structure of the genital system hormones.
	8	To comprehend the physiological functions of the genital system hormones.
	9	To interpret the results of the disorders of normal cellular and tissue structure of the urogenital system organs.
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21	Course Content:	

	Course Content:			
Week	Theoretical	Practice		
1	Anatomy of the kidneys, ureters, abdominal wall structures (2 h) Histology of the kidneys (1 h)	Anatomy laboratory of the urinary system organs (2 h)		
2	Histology of the kidneys (3 h)	Anatomy laboratory of the urinary system organs (2 h)		
3	Physiology of the kidney functions, glomerular filtration (1 h) Regulation of the glomerular filtration and renal blood circulation (2 h)	Histology laboratory of the urinary system organs (2 h)		
4	Anatomy of the urinary vesicle and urethra (1 h) Histology of the renal calyces, ureters, urinary vesicle, urethra (1 h) Na, K, Cl metabolism (1 h)	Histology laboratory of the urinary system organs (2 h)		
5	Reabsorbsion and secretion at the kidney tubules (2 h) Concentrated or diluted urine production (1 h)	Anatomy laboratory of the genital system organs (2 h)		
6	Regulation of NA and K concentration, micturition (2 h) Physiopathology of the urinary system (1 h)	Anatomy laboratory of the genital system organs (2 h)		
7	Regulation of the acid-base balance (2 h)	Anatomy laboratory of the genital system organs (2 h)		
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	Histology of the testis (1 h)	14	3.00	42.00
Practicals/Labs		14	2.00	28.00
Self study and preparation	Disorders of the acid-base balance (2 h)	28	1.00	28.00
Homeworks		0	0.00	0.00
Projects	Glands, penis (2 saat) Male reproduction and hormonal functions (1 h)	0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		1	14.00	14.00
Others		0	0.00	0.00
Final Exams	Anatomy of the female genital system (1 h)	1	18.00	18.00
Total Work Load				144.00
12	Anatomy of the female genital system (2 h) Histology of the ovaries and ovarian tubes (1 h)	Histology laboratory of the female genital system organs (2 h)		4.33
ECTS Credit of the Course				4.50
13	Histology of the uterus, cervix and vagina (1 h) Histology of the the mammary gland and plasenta (1 h) Female genital system hormones (1 h)	Histology laboratory of the endocrine system organs (2 h)		
14	Female hormonal functions, pregnancy, lactation (3 h)	General repetition of the histology laboratory of the urogenital system organs (2 h)		
22	Textbooks, References and/or Other Materials:	Gray's Anatomy for Students. R.L. Drake, A.W. Vogl, Adam W.M. Mitchell. Churchill Livingstone,2009. Histology and Cell Biology: An Introduction to Pathology. A.L. Kierszenbaum. Mosby, 2006. Textbook of Medical Physiology. A.C.Guyton and J.E.Hall. Saunders, 2005.		

23	Assesment	
TERM LEARNING ACTIVITIES	NUMBE R	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

24	ECTS / WORK LOAD TABLE
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0
ÖK2	5	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0
ÖK3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	5	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0
ÖK5	5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
ÖK6	5	2	0	0	1	2	0	2	0	0	0	0	0	0	0	0
ÖK7	5	0	0	0	1	2	0	1	0	0	0	0	0	0	0	0
ÖK8	5	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0
ÖK9	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			