

# HISTOLOGY AND EMBRYOLOGY OF UROGENITAL SYSTEM

1	Course Title:	HISTOLOGY AND EMBRYOLOGY OF UROGENITAL SYSTEM	
2	Course Code:	THE 6011	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	1.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	-	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. ÖZHAN EYİĞÖR	
15	Course Lecturers:	Prof. Dr. Zeynep Kahveci	
16	Contact information of the Course Coordinator:	ozhan@uludag.edu.tr 224/2954065 U. Ü.T.F.Histoloji ve Embriyoloji AD	
17	Website:		
18	Objective of the Course:	To teach the embryological development of the organs in the urinary and genital systems and developmental processes to make the basis for the etiology of congenital anomalies, those occurring in connection with, the normal histological structure of the system	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Learn the embryonal development of urinary tract organs.
		2	Identify developmental anomalies of urinary system.
		3	Kidney, bladder, urethra, and check the histology of the adrenal gland.
		4	Learn the embryonal development of the female genital organs.
		5	Describe the development of female genital tract abnormalities.
		6	Learn the embryonic development of male genital organs..
		7	Describe the development of male genital tract abnormalities.
		8	To learn the gametogenesis process
		9	Check the histological structure of the male genital system.
		10	Check the histological structure of the female genital tract.
21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	Embryology of the urinary system		
2	Histological structure of the kidney I		
3	Histological structure of the kidney II		

4	Histology of the ureter, urinary bladder and urethra	
5	Embryonic development of the male genital system organs	
6	Histological structure of the testes	
7	Spermatogenesis	
8	Intra and extra testicular ducts	
9	Prostate, bulbourethral glands and penis	
10	Embryonic development of the female genital system organs	
11	Ovarian structure and follicle development	
12	Uterus histology	
13	Histology of uterine tubes, vagina and external female genitalia	
14	Mammary glands and the placenta	

22	Textbooks, References and/or Other Materials:	The Developing Human. KL Moore. Langman's Medical Embryology. TW Sadler. Human Embryology. WJ Larsen. Histology: A Text and Atlas. MH Ross, GI Kaye, W Pawlina. Histology and Cell Biology: An Introduction to Pathology. AL Kierszenbaum. Color Textbook of Histology. LP Gardner, JL Hiatt. Clinically Integrated Histology. DH Cormack.
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Activities		Number	Duration (hour)	Total Work Load (hour)
<b>TERM LEARNING ACTIVITIES</b>		<b>NUMBER</b>	<b>WEIGHT</b>	
Theoretical		14	1.00	14.00
Practicals/Labs		0	0.00	0.00
Self study and preparation		0	0.00	42.00
Homeworks		2	9.00	18.00
Project Exam		1	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		3	0.00	0.00
Contribution of Term (Year) Learning Activities to		30	0.00	0.00
Others		0	0.00	0.00
Contribution of Final Exam to Success Grade		7	10.00	10.00
Total Work Load				84.00
Total work load/ 30 hr				2.80
Measurement and Evaluation Techniques Used in the				
ECTS Credit of the Course				3.00

## 24 ECTS / WORK LOAD TABLE

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	5	2	3	2	2	2	5	4	5	0	0	0	0	0	0
ÖK2	5	3	2	3	2	2	3	5	4	5	0	0	0	0	0	0
ÖK3	5	4	3	5	3	1	4	5	5	5	0	0	0	0	0	0
ÖK4	4	4	2	2	3	1	2	4	4	5	0	0	0	0	0	0

ÖK5	5	4	3	3	3	1	4	5	5	5	0	0	0	0	0	0
ÖK6	5	5	2	3	2	2	2	5	4	5	0	0	0	0	0	0
ÖK7	5	4	3	5	3	1	4	5	5	5	0	0	0	0	0	0
ÖK8	4	4	2	5	2	2	2	4	4	5	0	0	0	0	0	0
ÖK9	5	2	2	2	3	4	3	3	4	5	0	0	0	0	0	0
ÖK10	5	2	2	2	3	4	3	3	4	5	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			