HISTOLOGY AND EMBRYOLOGY OF NERVEOUS AND ENDOCRINE SYSTEMS

1	Course Title:	HISTOLOGY AND EMBRYOLOGY OF NERVEOUS AND ENDOCRINE SYSTEMS
2	Course Code:	THE 6012
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	2
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:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. ÖZHAN EYİGÖR
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	oeyigor@uludag.edu.tr 295 4065 U.Ü. Tıp Fak. Histoloji ve Embriyoloji AD.
17	Website:	
18	Objective of the Course:	To educate researchers; who comprehend the detailed knowledge of the embryology and histology of the nervous and endocrine systems.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

	1	To explain the embryologic development processes of the nervous system and its organs and to comprehend its malformations.
	2	To comprehend the histological structures of brain, cerebellum and medulla spinalis
	3	To be able to explain the properties of meninges in detail
	4	To gain knowledge about the histology of autonomous nervous system and ganglions
	5	To explain the embryologic development process of the endocrine system organs and to comprehend its malformations.
	6	To comprehend the cellular details of the hypothalamus.
	7	To gain detailed knowledge about the histology of endocrine organs
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21	Course Content:

Course Content:

Week	Theoretical	Practice
1	Early embryonic development of the nervous system	
2	Embryonic development of the nervous system organs and malformations	
3	Brain histology	
4	Cerebellar histology	
5	Histology of the medulla spinalis	
6	Histology of meninges	
7	Autonomic nervous system and ganglia	
8	Embryonic development of the endocrine organs and congenital malformations system organs	
9	Cellular organization of hypothalamus	
12	Histology of the suprarenal gland	
13	Histology of the endocrine pancreas and pineal gland	
14	Review of the preparations of the nervous and endocrine	
22	Textbooks, References and/or Other Materials:	1. The Developing Human, KL Moore 2. Langman's Medical Embryology, TW Sadler 4. Histology: A Text and Atlas, MH Ross, GI Kaye, W Pawlina Pathology. AL Kierszenbaum 6. Color Textbook of Histology, LP Gardner, JL Hiatt

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	2	12.00	24.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			86.00
Total work load/ 30 hr			2.87
ECTS Credit of the Course			3.00

23	Assesment

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	0	0.00
Quiz	0	0.00
Home work-project	2	0.00
Final Exam	1	100.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		0.00
Contribution of Final Exam to Success Grade		100.00
Total		100.00

Measurement and Evaluation Techniques Used in the Course	

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	0	0	0	0	0	4	0	0	1	0	0	0	0
ÖK2	5	5	2	0	0	0	0	0	4	0	0	1	0	0	0	0
ÖK3	5	5	2	0	0	0	0	0	4	0	0	1	0	0	0	0
ÖK4	5	5	2	0	0	0	0	0	4	0	0	1	0	0	0	0
ÖK5	5	5	2	0	0	0	0	0	4	0	0	1	0	0	0	0
ÖK6	5	5	2	0	0	0	0	0	4	0	0	1	0	0	0	0
ÖK7	4	4	2	0	0	0	0	0	4	0	0	1	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**		**2 low**			**3 Medium**			**4 High**			**5 Very High**				