GAZIANTEP ISLAMIC SCIENCE AND TECHNOLOGY UNIVERSITY

GRADUATE EDUCATION INSTITUTE

COURSE CONTENT FORM

	COURSE INFORMATION					
Curriculum year	**Course name**	*Code*	*Semester*	*T+U Clock*	*Credit*	*ECTS*
	NERVOUS TISSUE, NERVOUS SYSTEM HISTOLOGY AND DEVELOPMENT		I	2+2	3	4

Language of the Course	Turkish
Course Level	Master's Degree
Department/Program	Histology Embryology
Education Type	formal
Type of Course	Optional
Prerequisite Courses	no
Department/Program coordinator	Prof. Dr. Mehmet Yüncü
Course Supervisor(s)	Asst. Prof. Çiğdem Karaca
Course Assistants	Asst. Prof. Ayşegül Burçin Yıldırım Asst. Prof. Mustafa Öztatlıcı
Course Objectives	Students taking the course should have knowledge about nervous tissue, nervous system histology and development.
Course Content	Nervous system development and anomalies; histology of cerebrum, cerebellum and medulla spinalis, cerebrospinal fluid, meninges and plexus choroideus
Teaching-Learning Methods and Techniques Used in the Course	Face-to-face education, homework, presentation-seminar, quizzes, midterm exams, Laboratory, Research
Course Internship Status	No

Course Learning Outcomes
1. To have general knowledge about nervous system histology
2. Explain the development and anomalies of the nervous system.
3. Explain the histological structure of the organs that make up the nervous system.
4. Explain the cell types and properties that make up the nervous system.
5. Will be able to explain the tissue organization and functions of nervous system cells as a whole.

COURSE FLOW	
Week	**Topics**
1	General nervous tissue histology-I
2	General nervous tissue histology-II
3	Cerebrum histology
4	Application(Laboratory Study)
5	Cerebellum histology
6	Medulla Spinalis Histology
7	Histology of cerebrospinal fluid, meninges and plexus choroideus
8	Article Hour - Seminar
9	Interim Evaluation
10	Examination of Nervous System Preparations-I (Laboratory)
11	Examination of Nervous System Preparations-II (Laboratory)
12	Peripheral Nervous System
13	nervous system development
14	Nervous System Anomalies
15	general evaluation

RESOURCES
- Ross M.H, Pawlina W: Histology, A Text and Atlas. Lippincott Williams and Wilkins. 2011 - Junqueira L.C: Basic Histology. McGraw-Hill Medical. 2013 - Mills S.E: Histology for Pathologists. Lippincott Williams and Wilkins. 2012 - Fawcett D.W: A Textbook of Histology. CRC Press. 1998 - Kierszenbaum A: Histology and Cell Biology. Elsevier-Mosby. 2011 -Yüncü M: Histobul. Çukurova Nobel Medicine Bookstore, 2014 -Eşrefoğlu Mukaddes, General Histology, Medicine Bookstore,2022 -Eşrefoğlu Mukaddes, Histology Atlas, Medicine Bookstore,2022

ASSESSMENT SYSTEM		
SEMESTER STUDIES	**COUNT**	**PERCENTAGE OF CONTRIBUTION**
Midterm	1	%40
Quiz		
Homework		
Continue		
Seminar		
Application	1	%10
Course Specific Internship (if applicable)		
Project		
Workshop		
Presentation		
Semester final exam	1	%50
Total	3	%100
Contribution of Midterm Studies to Success Grade		
The Contribution of the Final Exam to the Success Grade		
Total		

ECTS / WORKLOAD CHART			
Activity	**COUNTS**	**Time (Hour)**	**Total Workload (Hour)**
Course Duration (Including the exam week: 15x total course hours)	*15*	*2*	*30*
Out of Class Study Time (Pre-study, reinforcement)	*15*	*3*	*45*
Homework			
Seminar			
Presentation			
Application	*15*	*2*	*30*
laboratuvar	*15*	*1*	*15*
Course Specific Internship (if applicable)			
Project			
Workshop			
Other (…….)			
Midterm	*1*	*1*	*1*
Quiz			
Semester final exam	*1*	*1*	*1*
Total Workload			
Total Workload / 30(s)			*122*
ECTS Credits of the Course			*4*

ASSOCIATION OF COURSE LEARNING OUTCOMES WITH PROGRAM OUTCOMES

No.	Program Learning Outcomes
1	Have general knowledge about the human body
2	Have detailed information about the histological structures of human tissues and organs.
3	Learns histological and histochemical techniques
4	Have detailed information about general human embryology.
5	Learn to use research lab tools and materials
6	Improves scientific article reading and evaluation proficiency
7	Can make histology laboratory applications to undergraduate students
8	Gains a general vision about basic medical sciences
9	Provides the necessary knowledge to participate in the doctoral program
10	Provides the competence to be a researcher in multidisciplinary research

Learning Outcomes	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
LO1.	4	5	2	2	3	4	5	5	5	5
LO2.	4	2	2	5	3	3	5	5	5	5
LO3.	4	5	4	3	4	4	5	5	5	5
LO4.	4	5	3	4	4	3	5	5	5	5
LO5.	4	5	2	3	3	4	5	5	5	5

LO: Learning Outcomes PO: Program Outcomes					
Contribution Level	1. Very low	2. Low	3. moderate	4. High	5. Very High