



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
	Endocrine System Histology and Development		I or II	2+2	3	6

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 Yuncu
Course Supervisor(s)	Asst. Prof. Ayşegül Burçin Yıldırım
Course Assistants	Asst. Prof. Çiğdem Karaca Asst. Prof. Mustafa Öztatlıcı
The aim of lesson	To learn the histological structures of tissues and organs that make up the endocrine system. Understanding the embryological development of the endocrine system
Course Content	General structure of the endocrine system. Pituitary, pineal, thyroid, parathyroid, adrenal glands and islets of Langerhans. Development and developmental anomalies of the endocrine system
Teaching-Learning Methods and Techniques Used in the Course	Lecture (Presentation) method, student lecture presentations, Discussion method, question and answer, laboratory method
Course Internship Status	No

Course Learning Outcomes
1. Explain the general structure and organization of the endocrine system
2. Explain the histological structure and functions of the pituitary gland

3. Explain the histological structure and functions of the pineal gland
4. Explain the histological structure and functions of the thyroid gland.Explain the histological structure and functions of the parathyroid gland.
5. Explain the histological structure and functions of the adrenal gland
6. Explain the histological structure and functions of the islets of Langerhans in the pancreas.
7. Explain the embryonic origin and development of the endocrine system

COURSE FLOW	
Week	Topics
1	General Structure Of The Endocrine System
2	Hypothalamus
3	Pituitary Gland
4	Pineal Gland
5	Thyroid Gland
6	Parathyroid Gland
7	Adrenal Gland
8	Pancreas Islets Of Langerhans
9	Endocrine Features Of Testis
10	Endocrine Features Of The Ovary
11	Embryology Of The Endocrine System
12	Endocrine System Anomalies
13	General Evaluation
14	Final Examination

RESOURCES
<ul style="list-style-type: none"> - Ross MH, Pawlina W:Histology, A Text and Atlas. Lippincott Williams and Wilkins. 2011 - Junqueira LC:Basic Histology. McGraw-Hill Medical. 2013 - Mills SE:Histology for Pathologists. Lippincott Williams and Wilkins. 2012 - Fawcett DW:A Textbook of Histology. CRC Press. 1998 - Kierszenbaum A:Histology and Cell Biology. Elsevier-Mosby. 2011

ASSESSMENT SYSTEM		
SEMESTER STUDIES	number	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 TABLE			
Activity	Number	Duration(Hour)	TotalWorkload(Hours)
Course Duration (Exam week is included:15x total course hours)	15	2	30
Out of Class Study Time (Pre-study, reinforcement)	15	4	60
Homework	2	3	6
Seminar			
Presentation	2	2	4
Application	15	2	30
Lab	15	3	45
Course Specific Internship (if applicable)			
Project			
Workshop			
Other (.....)			
Midterm	1	1	1
Quiz			
Semester final exam	1	1	1
Total Workload			177
Total Workload / 30(s)			
ECTS Credits of the Course			6

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.	5	5	2	2	3	3	5	5	5	4
LO2.	5	5	2	2	3	3	5	5	5	4
LO3.	5	5	2	2	3	3	5	5	5	4
LO4.	5	4	2	5	3	3	5	5	5	5
LO5.	5	4	2	5	3	3	5	5	5	5
LO6.	5	5	2	2	3	3	5	5	5	4
LO7.	5	5	2	2	3	3	5	5	5	4
LO:Learning Outcomes PO:Program Outcomes										
Contribution Level	1. Very Low		2. Low		3. Medium		4. High		5. Very High	