



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Epithelial and Connective Tissue							
Course Code		VHE521		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	4	Workload	100 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Give to detailed information about covering epithelium, secretory epithelium, contracting epithelial cells and sensory epithelial cells, Teach to intercellular substance of connective tissue and also teach types of connective tissue.							
Course Content		Epithelium: Covering epithelium, secretory epithelium, contracting epithelial cells, sensory epithelium, Classification of glands, exocrine glands. Connective tissue: The cells and intercellular substans of connective tissue, types of connective tissue.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Discussion, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Banks WJ. (1986) Applied Veterinary Histology, Williams & Wilkins, USA.
2	Dellman HD, Brown LM. (1987) Textbook of Veterinary Histology, Lea & Febiger, USA.
3	Gartner LP, Hiatt JL. (1997) Color Textbook of Histology, W.B. Saunders Company, USA.
4	Junqueira LC, Carneiro J. (1983) Basic Histology, The McGraw-Hill Companies, USA
5	Leeson RR, Leeson TS, Paparo AA. (1985) Textbook of Histology, W.B. Saunders Company. USA
6	Ross MH, Reith EJ, Romrell LJ. (1989) Histology. A Text and Atlas, Williams & Wilkins, London
7	Sağlam M, Aştı RN, Özer A. (2001) Genel Histoloji Ders Kitabı, Yorum Matbaacılık, Ankara

Week	Weekly Detailed Course Contents	
1	Theoretical	Microscopic appearance of simple squamous epithelium, simple columnar epithelium, simple cuboidal epithelium.
	Practice	Microscopic appearance of simple squamous epithelium, simple columnar epithelium, simple cuboidal epithelium.
2	Theoretical	Covering epithelium
	Practice	Microscopic appearance of pseudo-stratified squamous epithelium.
3	Theoretical	Covering epithelium
	Practice	Microscopic appearance of stratified squamous epithelium.
4	Theoretical	Seröz bezin mikroskopik görünümü
	Practice	Microscopic appearance of serous glands
5	Theoretical	Müköz bez ve serö-müköz bezin mikroskopik görünümü
	Practice	Microscopic appearance of Mucous and sero-mucous glands.
6	Theoretical	Contracting epithelial cells
	Practice	Microscopic appearance of Contracting epithelium
7	Theoretical	Sensory cells
	Practice	Microscopic appearance of Sensory epithelium
8	Intermediate Exam	Midterm exam
9	Theoretical	Classifications of glands
	Practice	Gl. Mandibularis
10	Theoretical	Types of exocrine glands
	Practice	Gl. parotis
11	Theoretical	The cells of connective tissue



11	Practice	Microscopic appearance of Fibrocytes and fibroblasts
12	Theoretical	The cells of connective tissue
	Practice	Microscopic appearance of Mast cells, plasma cells and lipid cells.
13	Practice	Microscopic appearance of reticular, elastic and collagen fibers
14	Theoretical	Types of connective tissue
	Practice	Microscopic appearance of Loose connective tissue
15	Theoretical	Types of connective tissue
	Practice	Microscopic appearance of Dense connective tissue
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Reading	10	0	1	10
Midterm Examination	1	15	2	17
Final Examination	1	15	2	17
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Knows to the epithelial tissue structure.
2	Knows to the epithelial tissue types.
3	Knows to the epithelial tissue locations and functions.
4	Knows the composition and locations of the connective tissue .
5	Knows the types and functions of the connective tissue.

Programme Outcomes (Histology and Embryology (Veterinary Medicine) Master's Without Thesis)

1	Gains expert knowledge on the function and basic histological features of cells, tissues and systems in animals
2	Gains expert knowledge on the stages of embryonal and fetal development in both mammals and birds
3	Comprehends and defines interactions among disciplines related to histology-embryology.
4	Knows national and international laws and regulations concerning histology and embryology.
5	Determines and uses laboratory equipment and consumables in a histology laboratory.
6	Forms ideas to solve complex problems using theoretical and practical information gained throughout the histology/embryology education.
7	Integrates and interprets information in the area of histology/embryology with information in different fields and, if the need arises, provides scientific information and solutions to solve problems.
8	Performs his/her expertise with the recognition of the rights and responsibilities obtained with the completion of the master of Science in histology/embryology.
9	Develop alternative strategies to solve national and international problems in the field of histology/embryology using expert knowledge and expertise in histology/embryology obtained during his/her training, solves them and evaluates the data . If the need arises, takes a part as a team member to solve problems outside his/her field.
10	Takes responsibility in individual and collective work and completes his/her duties. Takes professional and ethical responsibilities.
11	Comprehends methods associated with attainment and presentation of scientific information.
12	Evaluates his/her expert information gained during the master of Science critically and determines new information and sources of information and attends to activities to complement his/her educational deficiencies
13	For his/her professional development, evaluates and uses any available information and activity in his/her studies.
14	If the need arises, gives information and organizes activities to define a problem in his/her field of expertise.
15	Takes responsibilities in professional organizations and committees related to his/her field of expertise.
16	Relying on his/her professional skills and rights, he/she plans and realizes projects with the conciseness of social responsibility. He/she follows the developments in the world and is sensitive to events.
17	In order to maintain his/her professional development and to have social interactions, he/she uses at least one foreign language.
18	Uses advanced technological means that might be necessary for both professional applications and social interactions.



19	Reviews, evaluates and interprets any data (field observations, available scientific information etc.) towards a specific purpose. Develops and uses strategies in his/her field of expertise.
20	Applies and defines his/her expert knowledge with realizing the needs of the region and the country.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	5	5	5	5	5
P2	2	2	2	2	2
P3	4	4	4	4	4
P5	4	4	4	4	4
P6	3	3	3	3	3
P7	4	4	4	4	4
P8	4	4	4	4	4
P10	4	4	4	4	4
P11	4	4	4	4	4
P12	4	4	4	4	4
P13	4	4	4	4	4
P19	4	4	4	4	4

