

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Circulation of	Lipids Among	Liver, Intesti	nes and A	dipose Tissue			
Course Code		VHE630		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	1	Practice	0	Laboratory	0
Objectives of th	e Course	Fatty acids, si blood adminis					sorption of fa	at, stored in fatty tis	sue and
Course Content			nsport of lipids	s, functions of	f liver cond			orbtion of lipids in n adipose tissue an	d
Work Placement		N/A							
Planned Learni	ng Activities	and Teaching	Methods	Explanation	(Presenta	tion), Discussi	on, Individua	al Study	
Name of Lecturer(s)									

Assessment Methods and Criteria

Assessment methods and officina		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Gartner LP, Hiatt JL. (1997) Color Textbook of Histology, W.B. Saunders Company, USA
2	Alberts B, Bray D, Lewis J, Raff M, Roberts K, Watson JD. (1989) Molecular Biology of the Cell, Garland Publishing, Inc. London.
3	Sağlam M, Aştı RN, Özer A. (2001) Genel Histoloji Ders Kitabı, Yorum Matbaacılık, Ankara

Week	Weekly Detailed Cour	se Contents
1	Theoretical	Classification of lipids (faty acids, basic lipids, compound lipids, steroids)
2	Theoretical	Classification of lipids (faty acids, basic lipids, compound lipids, steroids)
3	Theoretical	Absorbtion of lipids in intestines
4	Theoretical	Absorbtion of lipids in intestines
5	Theoretical	Transport of lipids
6	Theoretical	Transport of lipids
7	Theoretical	Functions of liver concerning lipids
8	Intermediate Exam	Midterm
9	Theoretical	Functions of liver concerning lipids
10	Theoretical	Lipid storing in adipose tissue
11	Theoretical	Lipid storing in adipose tissue
12	Theoretical	Lipid mobilization to blood
13	Theoretical	Reversible fatty liver
14	Theoretical	Reversible fatty liver
15	Theoretical	Article Discussion
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Midterm Examination	1	20	1	21
Final Examination	1	40	0	40
		Т	otal Workload (Hours)	75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

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Learn	ing Outcomes	
1	To be having a detailed knowledge about of lipids	
2	Understands the importance of fat tissue.	
3	To be having knowledge about functions of liver concern	ning lipids
4	To be having knowledge about reversible fatty liver	
5	Learns the mechanism of liver fat burning.	

Programme Outcomes (Histology and Embryology (Veterinary Medicine) Doctorate)

Progr	amme Outcomes (Histology and Embryology (Veterinary Medicine) Doctorate)
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	Based on his/her training during the Master of Science program, he/she has in depth knowledge in the field of histology/embryology as well as in areas related to his/her area of expertise.
4	Using basic knowledge gained during the undergraduate and master of science program, develops ,critically evaluates and tests novel ideas in his/her area of expertise.
5	Endowed with theoretical and practical knowledge as for the scientific research and methodology to be able to conduct an independent research project.
6	Has theoretical knowledge concerning skills (leadership, entrepreneurship, ability to reach information technologies, organization, industrial correspondence etc.). Knows laws and regulations concerning his/her area of expertise and related subjects.
7	Determines and uses laboratory equipment and consumables in a histology laboratory. Has the ability to solve problems in his/her area of expertise.
8	Has the ability to design and develop scientific methodology concerning new developments in his/her area of expertise. Has the ability to put established methods in use to tackle current problems in his/her area of expertise.
9	Designs and conducts an independent research project on his/her own.
10	Critically evaluates and reaches to a synthesis of new ideas in his/her area of expertise and related fields.
11	Uses and develops modern technologies in his/her area of expertise towards the industry in a systematic and critical manner.
12	Performs his/her expertise with the recognition of the rights and responsibilities obtained with the completion of doctorate program in histology/embryology.
13	Is able to break down new and immature ideas into simple components and suggest alternative solutions by using his/her ability to recognize possible relationships among these components.
14	If the need arises, designs an interdisciplinary research project, forms a team, leads and finalizes the research project to solve an old or a new problem in the field of histology/embryology.
15	Attends to activities such as congresses, panels, symposiums, workshops, seminars, journal clubs in his/her area of expertise, shares information in his/her area of expertise and contributes to the solution of a problem by interacting with experts in other fields.
16	Expands a growing body of information in his/her area of expertise by publishing scientific articles in national and international journals.
17	Is in recognition of taking professional and ethical responsibilities.
18	Develop new ideas and methods that has the potential to ignite social and cultural progress or add values to the information society by using practical and theoretical knowledge gained throughout his/her training and his/her skill to work independently and to take responsibilities.
19	Makes the concept of life-long learning a matter of principle and recognizes the fact that evidence-based information is the most important gain of education.
20	Provides information and manages information exchanges on issues of public and animal health in committees with the aim of defining and solving a problem using his/her expertise.

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

	L1	L3	L4
P10	4	4	4
P11	3	3	3
P16	4	4	4

Course Information Form