AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Homeokinesis and Regulative Mechanisms								
Course Code	VFZ532		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	2	Workload	50 *(Hours)*	Theory	1	Practice	0	Laboratory	0
Objectives of the Course	To comprehend the importance of homeokinesis								
Course Content	The body control systems, and the extracellular fluid, removal of metabolic end products, regulation of the body functions								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Individual Study, Problem Solving								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	38
Final Examination	1	60
Quiz	2	1
Term Assignment	1	1

Recommended or Required Reading	
1	Randall D., Burggren W., French K, Fernald R., (1997). Eckert Animal Physiology. Mechanisms and Adaptations. 4th Ed., New York
2	G.C. Whittow et al. (1998). Sturke's Avian Physiology
3	Willmer P., Stone G., Johnston I. (2005). Environmental Physiology of Animals. 2nd Ed. Blackwell Publishing
4	Despopoulos A., Silbernagl S. (2003). Color Atlas of Physiology 5th Ed. Thieme, Stuttgart New York
5	Agnev B. (2004). Water The Miracle cure. ConX Publishing, Canada
6	Bradley T.J. (2009). Animal Osmoregulation Oxford University Press

Week	Weekly Detailed Course Contents	
1	Theoretical	Homeokinesis
2	Theoretical	The importance of water for life
3	Theoretical	Distribution of the body fluids
4	Theoretical	Metabolism of the water
5	Theoretical	Nervous and hormonal control of distribution of the body fluids
6	Theoretical	Live environment interactions-I
7	Theoretical	Live environment interactions-II
8	Theoretical	Midterm
9	Theoretical	Positive feedback -I
10	Theoretical	Positive feedback -II
11	Theoretical	Dehydratation
12	Theoretical	Rehydratation
13	Theoretical	Negative feedback -I
14	Theoretical	Negative feedback -II
15	Theoretical	Presentations

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Assignment	1	1	1	2
Term Project	1	4	1	5
Quiz	2	1	1	4
Midterm Examination	1	4	1	5

Final Examination	1	5	1	6
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To learn homeokinesis and to learn homeokinetic mechanisms of the major functional systems
2	To be informed about metabolism
3	To be informed about system that control body
4	To be informed about body fluids
5	To be informed about the intercellular and intracellular communications

Programme Outcomes *(Physiology (Veterinary Medicine) Master)*	
1	Understands and defines the interdisciplinary interaction with the associated fields
2	Uses theoretical and practical information learned in the education
3	Creates solution proposals by using background education
4	Combines and interprets the information from different disciplines, and creates solution proposals and scientific information to contribute the solution process, when needed
5	Involves in professional organizations and institutions related with the educational background
6	Takes responsibility for individual and group work, and do the assignments in line with the skills
7	Communicates with the professionals out of the field when it is necessary, and contributes to the solution as a team member
8	Understands the production and publishing methods of scientific information
9	Determines the source and the type of information that is needed related with the field and chooses the activities that s/he wants to participate, by using his/her critical thinking abilities that is developed in the education
10	Excels technological devices both for professional and social purposes
11	Compiles any kind of data related with the field (field observations, produced scientific information etc.) and analyzes and interprets the results according to the aims of the research
12	Determines the environmental health rules and applies them for prevention
13	Applies the knowledge gained in professional level with the awareness of the needs of the region and the country, and develops a defense capability
14	Conceptualizes the phenomena and the events related with the field, studies scientific methods and techniques, interprets results; analyzes and hypothesizes methods in accordance with the results and designs solution or treatment alternatives addressing the problems
15	Follows up the updates of information in the field by using all kinds of sources (scientific information, legislations etc.), and uses when needed

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	2	2	2	2	2
P2	4	4	4	4	4
P3	4	4	4	4	4
P4	2	2	2	2	2
P5	1	1	1	1	1
P6	1	1	1	1	1
P7	1	1	1	1	1
P8	1	1	1	1	1
P9	2	2	2	2	2
P10	1	1	1	1	1
P11	4	4	4	4	4
P12	1	1	1	1	1
P13	2	2	2	2	2
P14	1	1	1	1	1
P15	3	3	3	3	3