AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Fluid-Electrolyte Balance Disorders								
Course Code	VCR543		Couse Level		Second Cycle (Master's Degree)				
ECTS Credit	1	Workload	29 *(Hours)*	Theory	1	Practice	0	Laboratory	0
Objectives of the Course	To give knowledge and skills about fluid and electrolyte balance, disorder and treatment								
Course Content	İnclude, water balance and distribution in the body, electrolyte material and the anion-cation balance, osmolality and conversion formulas, normal water requirement, dehydration types, methods used in the calculation of fluid loss, fluid selection, crystalloid and colloid liquids, liquids administration methods, the calculation of volume of fluid, commercial preparations issues.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Individual Study								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	60
Assignment	1	10

Recommended or Required Reading	
1	1. Başaklar CA. Sıvı ve elektrolitler. Fizyoloji ve Patafizyoloji.(Çeviri: Cogan MG), Palmiye Yayın. Ankara, Antalya, 1994
2	Samsar, E., Akın , F. (2002). Genel Cerrahi. Malatya; Medipress

Week	Weekly Detailed Course Contents	
1	Theoretical	The distribution of body fluids in the organism
2	Theoretical	Extracellular water into the sector, and the result
3	Theoretical	Excessive fluid loss, and effects
4	Theoretical	Dehydration and types of dehydration
5	Theoretical	Calculation of fluid loss in the organism
6	Theoretical	Organism and electrolyte loss
7	Theoretical	Pre-and post-operative period fluid and electrolyte applications and surgical diseases
8	Intermediate Exam	Midterm
9	Theoretical	Acid-base balance
10	Theoretical	Metabolic acidosis
11	Theoretical	Respiratoric acidosis
12	Theoretical	Metabolic alkalosis
13	Theoretical	Respiratoric alkalosis
14	Theoretical	Considerations to be taken in the treatment of fluid and electrolyte-1
15	Theoretical	Considerations to be taken in the treatment of fluid and electrolyte-2
16	Final Exam	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Seminar	1	0	5	5
Midterm Examination	1	3	1	4
Final Examination	1	5	1	6
			Total Workload (Hours)	29
			[Total Workload (Hours) / 25*] = **ECTS**	1
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	1. Will have a basic knowledge of fluid and electrolyte balance in the body.
2	2. Knows calculation of fluid and electrolyte loss and treatment.
3	Can apply appropriate fluid and electrolyte supplementation
4	To learn knowledge and propose suggestions on the area.
5	To find out and use resources about the profession in the area.

Programme Outcomes *(Surgery (Veterinary Medicine) Master)*	
1	To be able to explain the knowledge about veterinary surgery in the expertise level.
2	2. To be able to comprehend veterinary surgery theoretically and practically.
3	3. To be able to use the information gained in the field, create solutions to problems that require expertise.
4	4. To be able to pursue the profession by being aware of the powers and responsibilities
5	5. To be able to have a relationship with other experts about problems outside of their area, as a member of the team contributes to the solution.
6	6. To be able to activate methods of production and use of scientific knowledge.
7	7. To be able to comprehend the master's degree information, identify public and animal health problem provides solutions and organizes events.
8	To be able to collect all sorts of data (field observations,produced scientific knowledge) in the field and evaluate for the purpose.
9	9. To be able to develop and use strategies about his field.
10	10. To be able to comprehend the needs of the country and the knowledge gained through the level of expertise of the region implements and take up the defense
11	11.To be able to identify and make rules to protect environmental health applications.
12	12. To be able to conceptualise events and facts related to the field of scientific techniques and methods that examine the comments on the results, problems, or method of analysis for the fictions, according to data obtained from the solution and / or provides an alternative treatment.
13	13. To be able to follow and use all the information which is updated in the field of (scientific knowledge, legislation, etc.).

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

	L1	L2	L3
P1	5	5	5
P2	5	5	5
P3	4	4	4
P4	4	4	4
P5	2	2	2
P6	3	3	3
P7	5	5	5
P8	5	5	5
P9	3	3	3
P10	3	3	3
P11	5	5	5
P12	4	4	4
P13	2	2	2