



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Imaging Methods (Radiography)							
Course Code		VCR502		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	7	Workload	176 (<i>Hours</i>)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		Imaging techniques properties, providing information about application areas, to gain knowledge and skills to benefit the suitable methods of diagnosis of diseases							
Course Content		Radiological diagnostic methods and principles, endications and interpreting of radiological findings							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Case Study					
Name of Lecturer(s)		Assoc. Prof. Rahime YAYGINGÜL, Prof. Ali BELGE							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	60
Assignment	2	10

Recommended or Required Reading

1	1. Güzel, N., Yavru, N. Veteriner Genel radyoloji, Selçuk Ü. Vet. Fak. Yayınları, Konya 1997.
2	2. Burk R.L., Ackerman N. (1996). Small Animal Radiology and Ultrasonography. A Diagnostic Atlas and Text. Philadelphia: W. B. Saunders Company.
3	3. Morgan, J., Wolvekamp, P. (2005). An Atlas of Radiology of the Traumatized Dog and Cat, Blackwell USA

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic x-ray physics and ultrasound
2	Theoretical	X-ray equipment and accessories
3	Theoretical	X-rays and gamma rays harmful effects on organs
4	Theoretical	X-ray image formation
5	Theoretical	Radiography shooting techniques-1
6	Theoretical	Radiography shooting techniques-2
7	Theoretical	Radiological examinations of the head and neck diseases
8	Intermediate Exam	Mid-term exam
9	Theoretical	Diseases of the chest radiographic examination
10	Theoretical	Radiological examinations of the abdominal diseases
11	Theoretical	Radiological examination of the vertebral column
12	Theoretical	Radiological examination of the front limb disorders
13	Theoretical	Radiological examination of the rear limb disorders
14	Theoretical	Ultrasonographic and radiographic images of selected cases -1
15	Theoretical	Ultrasonographic and radiographic images of selected cases -2
16	Theoretical	Ultrasonographic and radiographic images of selected cases-3
17	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Assignment	2	20	2	44
Individual Work	14	0	4	56
Midterm Examination	1	30	1	31



Final Examination	1	30	1	31
Total Workload (Hours)				176
[Total Workload (Hours) / 25*] = ECTS				7
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Knows several radiological imaging methods
2	2. Chooses the appropriate imaging method in necessary cases
3	Can diagnose through obtained images.
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	L4	L5
P1	5	5	5		
P2	5	5	5		
P3	3	5	5	3	
P4	2	5	5		
P5	1	1	1	4	
P6	2	4	4		5
P7	1	2	2	2	
P8	1	1	1		
P9	1	1	1		4
P10	1	3			
P11	1	1	1		3
P12	1		3		

