



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Basic Radiology							
Course Code		VCR542		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	2	Workload	51 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Introduction of veterinary radiology and principles							
Course Content		Description of radiology and X-ray machine, X-ray and display development, tapes and frames, having a dark room, dry and wet system baths, inserting a film in a cassette, radiographical positions, doses, simple and contrast radiography, washing and drying, archieve, radiation pathology and worker protection							
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. Alkan Z. (1999). Veteriner Radyoloji. Ankara. Mina Ajans
2	2. Morgan, J., Wolvekamp, P. (2005). An Atlas of Radiology of the Traumatized Dog and Cat, Blackwell USA

Week	Weekly Detailed Course Contents	
1	Theoretical	Description of radiology and basic x-ray physics
2	Theoretical	Features and accessorius of x-ray machine
3	Theoretical	Creating x-ray, features of x-ray and gama rays
4	Theoretical	Display development
5	Theoretical	X-ray films, sizes, stocking, dosimeters
6	Theoretical	X-ray and gamma rays' harmful effects on organs
7	Theoretical	Sterilization methods -3
8	Intermediate Exam	Midterm exam
9	Theoretical	X-ray department
10	Theoretical	Radiographical positions, radiography shooting techniques -1
11	Theoretical	Radiographical positions, radiography shooting techniques -2
12	Theoretical	Contrast materials
13	Theoretical	Getting ready of film baths and handicaps of washed films
14	Theoretical	Washing, drying and archieve
15	Theoretical	Worker protection
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	1	5	1	6
Midterm Examination	1	5	1	6
Final Examination	1	10	1	11
Total Workload (Hours)				51
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	1. To gain basic knowledge for veterinary radiology advanced diagnostics,
2	2. To gain practical education for veterinary radiology unit,
3	3. To gain course content knowledges
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

