



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Radiology in Veterinary Medicine							
Course Code		VCR606		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	5	Workload	126 (<i>Hours</i>)	Theory	1	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), Discussion					
Name of Lecturer(s)		Prof. İbrahim AKIN							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Alkan Z. (1999). Veteriner Radyoloji. Ankara.
2	Mina Ajans 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	Theoretical	Clinical case discussion
17	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Assignment	2	0	25	50
Individual Work	1	20	0	20
Midterm Examination	1	20	1	21



Final Examination	1	20	1	21
Total Workload (Hours)				126
[Total Workload (Hours) / 25*] = ECTS				5
*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) Doctorate)

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

	L2
P12	3

