AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Advanced Radiology and Ultrasonography						
Course Code	VCR624		Couse Level	Third Cycle (Doctorate Degree)			
ECTS Credit	7	Workload	177 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	To gain advanced knowledge and skills for clinic use of X-ray and ultrasound techniques						
Course Content	Knows how to take x-ray appropriately according to tissue, organ and diseases						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Case Study						
Name of Lecturer(s)	Prof. İbrahim AKIN						

Assessment Methods and Criteria

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

Recommended or Required Reading

1	1. Alkan Z. (1999). Sığır Ayak Hastalıkları. Ankara. Mina Ajans.
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.

Weekly Detailed Course Contents

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic radiation physics
2	Theoretical	Abdominal radiography -1
3	Theoretical	Abdominal x-ray -2
4	Theoretical	Abdominal radiography -3
5	Theoretical	Thoracic radiography -1
6	Theoretical	Thoracic radiography-2
7	Theoretical	Thoracic radiography-3
8	Intermediate Exam	Mid-term exam
9	Theoretical	Bone and Joint Radiography
10	Theoretical	The head and the spine radiography
11	Theoretical	Basic physics of ultrasound
12	Theoretical	An ultrasound examination of the heart
13	Theoretical	An ultrasound examination of urinary system
14	Theoretical	Ultrasonography of the gastrointestinal tract
15	Theoretical	Ultrasonography horses Tendo
16	Theoretical	Ultrasonography Other Tissues and Organs
17	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Assignment	2	0	20	40
Individual Work	2	20	2	44
Midterm Examination	1	15	1	16

Final Examination	1	20	1	21
		Total Workload (Hours)		177
		[Total Workload (Hours) / 25*] = **ECTS**		7

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	1. Knows how to take x-ray appropriately according to tissue, organ and diseases
2	2. Knows how to apply ultrasound appropriately according to tissue, organ and diseases
3	3. Can diagnose by x-ray and ultrasonography
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)*

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	

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		
P2	5				5
P3				5	
P4		5			
P5			5		
P6				5	
P7	5				5
P8		5			
P9			5		
P10		5			
P11	5			5	
P12					5