SPECIAL RADIOGRAPHY TECHNIQUES

1	Course Title:	SPECIAL RADIOGRAPHY TECHNIQUES
2	Course Code:	VCR6020
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	1.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. DENİZ SEYREK-İNTAŞ
15	Course Lecturers:	Prof. Dr. Deniz SEYREK-İNTAŞ, Doç. Dr. Nureddin ÇELİMLİ
16	Contact information of the Course Coordinator:	Prof. Dr. Deniz SEYREK-İNTAŞ U.Ü. Veteriner Fakültesi Hayvan Hastanesi Cerrahi ABD Görükle Kampusu 16059 Görükle / BURSA denizsi@uludag.edu.tr 0224-2940836
17	Website:	http://saglikbilimleri.uludag.edu.tr
18	Objective of the Course:	It is intended to teach and make the student understand and apply special radiographic techniques and special contrast radiography in small and large animals.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Learns advanced radiographic techniques
	2	Is able to apply advanced contrast radiographic examination techniques
	3	Comments case discussions based on earned knowledge
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	How to become a better radiologist?	Radiography room and preparations
2	Special techniques in dogs and cats: General considerations (stress radiography, compression radiography, fistulography)	Radiographic examination

3	Dog and cat: head and neck region (e.g. nose, sinuses, temporomandibular joint, bulla tympanica, atlas-axis)	Radiographic examination
4	Dog and cat: stifle and hip region (e.g. CHD, rupture of the cruciate ligaments, luxation of patella, OCD)	Radiographic examination
5	Dog and cat: shoulder and elbow (OCD, ED)	Radiographic examination
6	Dog and cat: thorax (comparison VD vs. DV, right vs. left lateral position, horizontal beam)	Radiographic examination
7	Dog and cat: abdomen (comparison right vs. left lateral, horizontal beam, pneumoperitoneography)	Radiographic examination
8	Horses: distal extremity and phalanges, navicular bone	Radiographic examination
9	Horses: carpal joint, elbow and shoulder	Radiographic examination
10	Horses: tarsus, stifle and hip	Radiographic examination
11	Horses: thorax and abdomen	Radiographic examination
12	Ruminants: phalanges and claws	Radiographic examination
13	Ruminants:tarsal, carpal and shoulder joints	Radiographic examination
14	Ruminants: thorax and abdomen	Radiographic examination

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	14	3.00	42.00
Homeworks	5	1.00	5.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	1.00	1.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

- Bovine Radiology, Bargai U, Pharr JW, Morgan JP, Iowa State Press, 1999
- Lippincot Williams&Wilkins,2002
- Clinical Radiology of the Horse, Butler JA, Colles CM, Dyson SJ, Kold SE, Poulos PW, Blackwell Science, 2000

23	Assesment	
	R	
	0	0.00
	0	0.00
	1	10.00
Final Exam	1	90.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		10.00
Contribution of Final Exam to Success Grade		90.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

24	**ECTS / WORK LOAD TABLE**

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	5	5	3	0	3	5	5	5	5	5	0	0	0	0	0	0
ÖK2	5	5	3	0	3	5	5	5	5	5	0	0	0	0	0	0
ÖK3	5	5	3	0	3	5	5	5	5	5	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**		**2 low**			**3 Medium**			**4 High**			**5 Very High**				