



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Fracture Healing							
Course Code		VCR675		Coure Level		Third Cycle (Doctorate Degree)			
ECTS Credit	5	Workload	125 (<i>Hours</i>)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		Gaining skills and knowledge about diagnosing and traetment of external ear canal.							
Course Content		Course include, diagnosing external ear canal diseases etiologies and treathment.							
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
Seminar	1	10

Recommended or Required Reading

1	1. Piermattei D, Flo G, DeCamp. Handbook of small animal orthopedics and fracture, 4th Edition, 2006. 2. Slatter, D.. Textbook of Small Animal Surgery. Philadelphia: W.B. Saunders Company, Volume 2, 2003. 3. Fathman L, Gower J. Saunders Manual of Small Animal Practice. 3rd Edition. 2006. 4. Denny HR, Butterworth SJ. A Guide to Canine and Feline Orthopaedic Surgery. 4th Edition, 2000.
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Week	Weekly Detailed Course Contents	
1	Theoretical	Biology of Bone
2	Theoretical	Bone Development
3	Theoretical	Biomechanic Features of Bone
4	Theoretical	Bone Nutrition
5	Theoretical	Classical bone Healing
6	Theoretical	Primary Bone Healing
7	Theoretical	Secondary Bone Healing
8	Intermediate Exam	Mid Term Exam
9	Theoretical	Delayed bone healing
10	Theoretical	Nonunion
11	Theoretical	Histology of delayed bone healing and nonunion
12	Theoretical	Malunion
13	Theoretical	Fracture healing rates
14	Theoretical	Clinic Case and Discussion
15	Theoretical	Clinic Case and Discussion
16	Theoretical	Clinic Case and Discussion
17	Final Exam	Final Examination

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Seminar	1	14	1	15
Individual Work	14	3	0	42
Midterm Examination	1	23	1	24



Final Examination	1	29	1	30
Total Workload (Hours)				125
[Total Workload (Hours) / 25*] = ECTS				5
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Students know bone anatomy and physiology
2	Students learn affect factors of bone healing
3	Students provide against negative adverse affects for fracture healing.
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

	L1	L2	L3
P1	5	5	5
P2	5	5	5
P3	4	4	4
P4	4	4	4
P5	4	4	4
P6	4	4	4
P7	2	2	2
P8	4	4	4
P9	3	3	3
P10	4	4	4
P11	4	4	4
P12	3	3	3

