



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Treatment Methods of Fracture							
Course Code		VCR539		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	2	Workload	51 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To gain advanced knowledge ands skills for classifications of fractures, fracture healing							
Course Content		Treatment period of fractures, surgical tecnics for fracture treatment and complications of fracture healing							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)		Lec. Zeynep BİLGEN, Prof. Murat SARIERLER							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Slatter D, 2003, Textbook of Small Animal Surgery 3th edition Volume 2 Elsevier Science, pp: 2019-2027, Philadelphia
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Week	Weekly Detailed Course Contents	
1	Theoretical	classification of fractures
2	Theoretical	Normal vascularization of the bone, vascularization and bone healing after fracture
3	Theoretical	Identification and characterization of fracture
4	Theoretical	Closed reduction principles
5	Theoretical	Principles of open reduction
6	Theoretical	The materials used in the treatment of fracture-1
7	Theoretical	The materials used in the treatment of fracture-2
8	Intermediate Exam	Mid-term exam
9	Theoretical	Intramedullary pin application-1
10	Theoretical	Intramedullary pin application-2
11	Theoretical	application of cerclage
12	Theoretical	External fixation-1
13	Theoretical	External fixation-2
14	Theoretical	Record applications
15	Theoretical	Case study and discussion
16	Final Exam	final

### Workload Calculation

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

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	1. Knows the process of healing of fractures, define to fracture.
2	2. Know the methods of surgical treatment of fractures, and choose the appropriate one.



3	3. To apply of the chosen method.
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

