



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Ostosynthesis							
Course Code		VCR544		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	2	Workload	55 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To gain knowledge and skills about fractures, osteosynthesis materials and techniques used for osteosynthesis.							
Course Content		The course content include, materials used for fracture treatment, osteosynthesis techniques and radiological examination of fracture healing.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study					
Name of Lecturer(s)		Assoc. Prof. Rahime YAYGINGÜL, Lec. Büşra KİBAR KURT							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	1. Slatter, D. (1998). Textbook of Small Animal Surgery. Philadelphia: W.B. Saunders Company.
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Week	Weekly Detailed Course Contents	
1	Theoretical	General evaluation of the trauma patient
2	Theoretical	Classification of fractures
3	Theoretical	Fracture treatment planning
4	Theoretical	Preparation of the patient, surgical approaches and fracture reduction
5	Theoretical	Surgical equipment required for osteosynthesis-1
6	Theoretical	Surgical equipment required for osteosynthesis-2
7	Theoretical	Intramedullary pins and their use
8	Intermediate Exam	Midterm exam
9	Theoretical	Cerclage wires and their use
10	Theoretical	Screw types and their use
11	Theoretical	Plate types and their use-1
12	Theoretical	Plate types and their use-2
13	Theoretical	External Skeletal Fixators
14	Theoretical	Radiological examination of fracture healing
15	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Seminar	1	2	1	3
Individual Work	14	0	1	14
Midterm Examination	1	3	1	4
Final Examination	1	5	1	6
Total Workload (Hours)				55
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	1. Student learn osteosynthesis materials can be used for veterinary orthopedics.
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2	2. Student learn osteosynthesis methods can be used for veterinary orthopedics.
3	3. Student can choose appropriate material and method for cases.
4	To learn knowledge and propose suggestions on the area.
5	To learn knowledge and propose suggestions on 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	3	5	5
P4	2	5	5
P5	1	1	1
P6	2	4	4
P7	1	2	2
P8	1	1	1
P9	1	1	1
P10	1	3	3
P11	1	1	1
P12	1	3	3
P13	1	1	1

