# AYDIN ADNAN MENDERES UNIVERSITY
# COURSE INFORMATION FORM

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|---|---|---|---|---|---|---|---|---|
| Course Title | | Theraphy Principles in Fractures | | | | | | |
| Course Code | | VCR657 | | Couse Level | | Third Cycle (Doctorate Degree) | | |
| ECTS Credit | 5 | Workload | 125 *(Hours)* | Theory | 2 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | | To gain knowledge about classifications of fractures, fracture healing and surgical treatment of fractures | | | | | | |
| Course Content | | Fracture healing process, surgical treatment techniques of fractures and complications while fracture healing | | | | | | |
| 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 |
| Assignment | 1 | 10 |

## Recommended or Required Reading

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|---|---|
| 1 | 1. Slatter D, 2003,Textbook of Small Animal Surgery 3th edition Volume 2 Elsevier Science, pp: 2019-2027, Philadelphia |

| Week | Weekly Detailed Course Contents | |
|---|---|---|
| 1 | Theoretical | Classifications of fractures |
| 2 | Theoretical | Normal bone vascularisation, vascularisation after fracture and fracture healing |
| 3 | Theoretical | Diagnosis and describes of fracture |
| 4 | Theoretical | Closed reduction principles |
| 5 | Theoretical | Opened reduction principles |
| 6 | Theoretical | Equipments used for fracture treatment-1 |
| 7 | Theoretical | Equipments used for fracture treatment-2 |
| 8 | Intermediate Exam | Midterm exam |
| 9 | Theoretical | Intramedullar pin applications-1 |
| 10 | Theoretical | Intramedullar pin applications-2 |
| 11 | Theoretical | Cerclage applications |
| 12 | Theoretical | External fixation-1 |
| 13 | Theoretical | External fixation-2 |
| 14 | Theoretical | Plaque applications |
| 15 | Theoretical | Example cases and discussion-1 |
| 16 | Theoretical | Example cases and discussion-2 |
| 17 | Final Exam | Final Exam |

## Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|---|---|---|---|---|
| Lecture - Theory | 14 | 0 | 2 | 28 |
| Assignment | 1 | 14 | 1 | 15 |
| Individual Work | 14 | 3 | 0 | 42 |
| Midterm Examination | 1 | 16 | 1 | 17 |
| Final Examination | 1 | 22 | 1 | 23 |
| | | | Total Workload (Hours) | 125 |
| | | | [Total Workload (Hours) / 25*] = **ECTS** | 5 |

*25 hour workload is accepted as 1 ECTS

**Learning Outcomes**

| | |
|---|---|
| 1 | 1. Gains knowledge about fracture healing process, describes any seen fracture |
| 2 | 2. Gains knowledge about surgical treatments of fracture and decides the appropriate |
| 3 | 3. Applies 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) Doctorate)*

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|---|---|
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| 13 | |

**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 |