



NEAR EAST UNIVERSITY
Faculty of Veterinary Medicine Course Teaching Plan

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| 1. | Name of the Course | PHYSIOLOGY I |
| 2. | Course Code | VTE207 |
| 3. | Course Type | Compulsory |
| 4. | Course Level | Undergraduate |
| 5. | Year | 2 |
| 6. | Semester/Term | Fall-3VET |
| 7. | ECTS credits | 4 |
| 8. | National Credits | 3 |
| 9. | Theory (hours/week) | 2h/week |
| 10. | Practice (hours/week) | 2h/week |
| 11. | Prerequisites | None |
| 12. | Other Recommended Considerations for the Course | None |
| 13. | Course Language | English |
| 14. | Teaching type | Face to face |
| 15. | Course Coordinator | Prof.Dr. Vedat SAĞMANLIGİL |
| 16. | Other Lecturers | - |
| 17. | Coordinator's Contact Information | e-mail:vedat.sagmanligil@neu.edu.tr Telefon (Mobil): 533-8446502 (Dahili): 392-2236464 (3144) |
| 18. | Website of the course | https://uzem.neu.edu.tr/course/view.php?id=10215 |
| 19. | Objectives of the Course | The aim of this course is to explain the basic concepts of physiology, to give general information about the functions and functioning of cells, tissues, organs and systems in domestic animals and avian, comparatively with human physiology |
| 20. | Contribution of the Course to Professional Development | In Veterinary Medicine education, whose main subject is animals and their breeding and treatment of diseases, it will make an important contribution to the vocational education of students, especially in terms of diagnosis and treatment of diseases, by informing students about the normal functioning of tissues, organs and systems of animals |

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| 21. | Students' Learning Outcomes | LO1 | The student's ability to follow the lesson and comprehend the purpose of the lesson. |
| | | LO2 | The student's ability to understand and compare the developments in this subject while watching the current issues related to the content of the course. |
| | | LO3 | The student learns the technique of conducting research in the fields of interest from the subjects related to the content of the course and preparing and making presentations on this subject. |
| | | LO4 | The student's interest in sciences (such as statistics) that are also close to the subjects of the course. |
| | | LO5 | The student also identifies different sources, reads and confirms the information about the content of the course from different sources and reinforces the subject. |
| | | LO6 | The student's adaptation to different measurement and evaluation methods to determine the success of the course. |

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| 22. | Course Content | WEEK | THEORETICAL COURSE CONTENT | PRACTICAL COURSE CONTENT |
| | | 1. | Body fluids and Homeostasis | Osmotic fragility |
| | | 2. | Blood physiology | Erythrocyte count |
| | | 3. | Blood physiology | Measurements of Hemoglobin amount and Hematocrit, Sedimentation |
| | | 4. | Urinary system | Leucocyte count |
| | | 5. | Urinary system | Preparation of Blood smear |
| | | 6. | Urinary system | Determination of Leucocyte type |
| | | 7. | Respiratory system | Bleeding and clotting time, detection and determination of blood group in humans |
| | | 8. | Respiratory system | Urinary system with Computer Simulation technique |
| | | 9. | Respiratory system | Respiratory system with Computer Simulation technique |
| | | 10. | Neural system | Neural system with Computer Simulation technique |
| | | 11. | Neural system | Student presentations |
| | | 12. | Neural system | Student presentations |
| | | 13. | Sensory organs | Student presentations |
| | | 14. | Sensory organs | Student presentations |

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| 23. | Textbooks, References and/or Other Sources | <ol style="list-style-type: none"> 1. Reece, W.O.: Functional Anatomy and Physiology of Domestic animals. 4th edition. Willey-Blackwell. 2. Yılmaz, B(2000) Fizyoloji. İkinci Baskı, Feryal Matbaacılık-Ankara. 3. Malvin J. Swenson and William O.Reece (2004): Duke's Physiology of Domestic Animals, 12th Edition. Comstock Publishing Associates, İthaca, New York. 4. Dukes Physiology of Domestic Animals, Editors: William O.Reece, Howard H Erickson, Jesse P. Goff, Etsuro E. Uemura (13th edition), Willey-Blackwell. 5. Guyton AC, Hall JE.: Textbook of Medical Physiology. 8th edition. WB Saunders. 6. Engelhardt WV, Breves G, Diener M, Gabel G (2019): Veteriner Fizyoloji.Çeviri Editörü Prof Dr Hakan ÖZTÜRK, 5. Baskı, Nobel Tıp Kitapevleri Ltd Şti, Ankara. |
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| 24. | Evaluation | SEMESTER STUDIES | NUMBER | PERCENTAGE OF CONTRIBUTION |
| | | Midterm exam | 1 | 20 |
| | | Quiz | 1 | 10 |
| | | Assignments, Performances | 1 | 10 |
| | | Final exam | 1 | 60 |
| | | Total | | 100 |
| | | Evaluation Approaches | Mid-term and Final exams are held in the form of tests. In addition, the short questions to be asked to the students during the lecture and the quiz grades to be given to the assignments and presentations will be the evaluation approaches that will be used to measure their success. | |

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| 25. | ECTS / Student's workload | Activity | NUMBER | Time [hours] | Total workload [hours] |
| | | Class hours (theoretical) | 14 | 2 | 28 |
| | | Practical hours | 14 | 2 | 28 |
| | | Out of Class Study Time (Pre-study, reinforcement) | 14 | 2 | 28 |
| | | Assignments, Performances | 1 | 8 | 8 |
| | | Projects | - | - | - |
| | | Field studies | - | - | - |
| | | Midterm exams | 1 | 12 | 12 |
| | | Other | - | - | - |
| | | Final exams | 1 | 16 | 16 |
| | | Total workload | | | 120 |
| | | Total workload / 30 hours | | | 120/30 |
| | | ECTS credits of the lecture | | | 4 |