

BASIC NERVOUS SYSTEM PHYSIOLOGY

| | | | |
|------|---|--|--|
| 1 | Course Title: | BASIC NERVOUS SYSTEM PHYSIOLOGY | |
| 2 | Course Code: | VFZ5002 | |
| 3 | Type of Course: | Compulsory | |
| 4 | Level of Course: | Second Cycle | |
| 5 | Year of Study: | 1 | |
| 6 | Semester: | 2 | |
| 7 | ECTS Credits Allocated: | 2.00 | |
| 8 | Theoretical (hour/week): | 1.00 | |
| 9 | Practice (hour/week): | 0.00 | |
| 10 | Laboratory (hour/week): | 0 | |
| 11 | Prerequisites: | None | |
| 12 | Language: | Turkish | |
| 13 | Mode of Delivery: | Face to face | |
| 14 | Course Coordinator: | Prof. Dr. FAHRÜNİSA CENGİZ | |
| 15 | Course Lecturers: | | |
| 16 | Contact information of the Course Coordinator: | muraty@uludag.edu.tr +90 224 294 1228 Uludağ Üniversitesi Veteriner Fakültesi Fizyoloji Anabilim Dalı Görükle Bursa 16059 | |
| 17 | Website: | | |
| 18 | Objective of the Course: | This course focuses on the components of nervous system and their physiological role. | |
| 19 | Contribution of the Course to Professional Development: | | |
| 20 | Learning Outcomes: | | |
| | | 1 | Introduction to Neural Communication and Action Potentials |
| | | 2 | Organization and Cells of the Nervous System |
| | | 3 | Overview of the Central Nervous System |
| | | 4 | Cerebral Cortex |
| | | 5 | Basal Nuclei, Thalamus, and Hypothalamus |
| | | 6 | Cerebellum |
| | | 7 | Brain Stem |
| | | 8 | Spinal Cord |
| | | 9 | |
| | | 10 | |
| 21 | Course Content: | | |
| | | Course Content: | |
| Week | Theoretical | Practice | |

| | | | | |
|--|--|--------|-----------------|------------------------|
| 1 | Structure of the nervous system | | | |
| 2 | Changes in membrane potential during an action potential; Changes in membrane permeability and ion movement during an action potential | | | |
| 3 | Central nervous system; Peripheral nervous system; Glial cells | | | |
| 4 | Cerebral Cortex | | | |
| 5 | Basal Nucleies | | | |
| 6 | Thalamus | | | |
| 7 | Hypothalamus | | | |
| 8 | Cerebellum | | | |
| 9 | Components and functions of the brain stem | | | |
| 10 | Anatomy of the spinal cord | | | |
| 11 | Spinal reflexes | | | |
| Activites | | Number | Duration (hour) | Total Work Load (hour) |
| 14 | Theoretical Autonomic nervous system | 14 | 1.00 | 14.00 |
| Practicals/Labs | | 0 | 0.00 | 0.00 |
| 22 | Self study and preparation Textbooks, References and/or Other | 14 | 1.00 | 14.00 |
| Homeworks | | 1 | 2.00 | 2.00 |
| Projects | | 3 | 0.00 | 0.00 |
| Field Studies | | 0 | 0.00 | 0.00 |
| Midterm exams | | 2 | 0.00 | 0.00 |
| Others | | 2 | 10.00 | 20.00 |
| 23 | Assesment Final Exams | 1 | 10.00 | 10.00 |
| Total Work Load | | | | 60.00 |
| Total work load/ 30 hr | | 0 | 0.00 | 2.00 |
| ECTS Credit of the Course | | | | 2.00 |
| Home work-project | | 1 | 25.00 | |
| Final Exam | | 1 | 75.00 | |
| Total | | 2 | 100.00 | |
| Contribution of Term (Year) Learning Activities to Success Grade | | 25.00 | | |
| Contribution of Final Exam to Success Grade | | 75.00 | | |
| Total | | 100.00 | | |
| Measurement and Evaluation Techniques Used in the Course | | | | |
| 24 | ECTS / WORK LOAD TABLE | | | |

| 25 | CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS | | | | | | | | | | | | | | | |
|---|---|-----|-------|-----|-----|----------|-----|-----|--------|------|------|-------------|------|------|------|------|
| | PQ1 | PQ2 | PQ3 | PQ4 | PQ5 | PQ6 | PQ7 | PQ8 | PQ9 | PQ10 | PQ11 | PQ12 | PQ13 | PQ14 | PQ15 | PQ16 |
| ÖK1 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 0 | 0 | 0 | 0 |
| ÖK2 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 0 | 0 | 0 | 0 |
| ÖK3 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 0 | 0 | 0 | 0 |
| ÖK4 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 0 | 0 | 0 | 0 |
| ÖK5 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 0 | 0 | 0 | 0 |
| ÖK6 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 0 | 0 | 0 | 0 |
| ÖK7 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 0 | 0 | 0 | 0 |
| ÖK8 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 0 | 0 | 0 | 0 |
| LO: Learning Objectives PQ: Program Qualifications | | | | | | | | | | | | | | | | |
| Contribution Level: | 1 very low | | 2 low | | | 3 Medium | | | 4 High | | | 5 Very High | | | | |