



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

|  |   |   |                      |  |   |                                |   |            |   |
|--|---|---|----------------------|--|---|--------------------------------|---|------------|---|
| Course Title                                     |   | Drugs of the Autonom Nervous System, II (Parasympathomimetics, Parasympatholytics and Neuromuscle Blockers)   |                      |  |   |                                |   |            |   |
| Course Code                                      |   | VFT525  |                      | Couse Level  |   | Second Cycle (Master's Degree) |   |            |   |
| ECTS Credit                                      | 6 | Workload  | 145 ( <i>Hours</i> ) | Theory   | 2 | Practice                       | 0 | Laboratory | 0 |
| Objectives of the Course                         |   | Providing general information about graduate education and the autonomic nervous system drugs affecting.  |                      |  |   |                                |   |            |   |
| Course Content                                   |   | Unintentional working which is one of the body's homeostatic balance of the OSS layouts are the primary anatomical and physiological information about the brief, NM-receptor concepts and the sympathomimetic and sympatholytic drugs is an important branch of OSS. |                      |  |   |                                |   |            |   |
| Work Placement                                   |   | N/A   |                      |  |   |                                |   |            |   |
| Planned Learning Activities and Teaching Methods |   |   |                      | Explanation (Presentation), Discussion, Individual Study |   |                                |   |            |   |
| Name of Lecturer(s)                              |   |   |                      |  |   |                                |   |            |   |

### Assessment Methods and Criteria

| Method              | Quantity | Percentage (%) |
|---------------------|----------|----------------|
| Midterm Examination | 1        | 40             |
| Final Examination   | 1        | 60             |

### Recommended or Required Reading

|   |  |
|---|--|
| 1 | Veterinary Pharmacology and Therapeutics, 8th Edition, Jim E. Riviere (Editor), Mark G. Papich (Editor), 2009.                                     |
| 2 | Modern Pharmacology, 6th Edition, Lippincott Williams and Wilkins, 2004 (Ed. C.R. Craig and R.E. Stitzel)  |
| 3 | Basic and Clinical Pharmacology, 9th Edition, McGraw-Hill, New York, 2004 (Ed. B. Katzung)   |
| 4 | Goodman and Gilman's The Pharmacological Basis of Therapeutics 11th Edition, McGraw-Hill, 2006 (Eds. Brunton, Lazo, Parker, Buxton and Blumenthal) |
| 5 | Lippincott's Illustrated Reviews: Pharmacology, 3rd Edition, Lippincott Williams and Wilkins, 2005 (Eds. Howard, Mycek, Harvey & Champe)           |
| 6 | The Veterinary Formulary edited by Yolande Bishop. London Pharmaceutical Press in association with the British Veterinary Association 2001.        |
| 7 | Pharmacology. Franklin A. Ahrens. Baltimore, Md. London Williams & Wilkins 1996.   |
| 8 | The physiological basis of veterinary clinical pharmacology J. Desmond Baggot. Oxford Blackwell Science 2001.                                      |

| Week | Weekly Detailed Course Contents |   |
|------|---------------------------------|---|
| 1    | Theoretical                     | Anatomical and physiological information about autonomic nervous system |
| 2    | Theoretical                     | Neuro-mediators of information about intersections                      |
| 3    | Theoretical                     | Information about the sympathetic nervous system                        |
| 4    | Theoretical                     | Information on the parasympathetic nervous system                       |
| 5    | Theoretical                     | Information about ganglion  |
| 6    | Theoretical                     | Information about the autonomic nervous system                          |
| 7    | Theoretical                     | Overall Assessment  |
| 8    | Intermediate Exam               | Midterm exam  |
| 9    | Theoretical                     | Autonomic nervous system drugs  |
| 10   | Theoretical                     | Sympathetic nervous system drugs  |
| 11   | Theoretical                     | Evaluation  |
| 12   | Theoretical                     | Parasympathomimetic drugs   |
| 13   | Theoretical                     | Evaluation  |
| 14   | Theoretical                     | Other drugs that affect the autonomic nervous system                    |
| 15   | Theoretical                     | Discussion  |
| 16   | Final Exam                      | Final   |

### Workload Calculation

| Activity         | Quantity | Preparation | Duration | Total Workload |
|------------------|----------|-------------|----------|----------------|
| Lecture - Theory | 14       | 5           | 2        | 98             |



|   |   |    |   |     |
|---|---|----|---|-----|
| Midterm Examination                     | 2 | 14 | 1 | 30  |
| Final Examination                       | 1 | 15 | 2 | 17  |
| Total Workload (Hours)                  |   |    |   | 145 |
| [Total Workload (Hours) / 25*] = ECTS   |   |    |   | 6   |
| *25 hour workload is accepted as 1 ECTS |   |    |   |     |

### Learning Outcomes

|   |   |
|---|---|
| 1 | To obtain information on the autonomic nervous system.                            |
| 2 | Learns the child elements of the autonomic nervous system.                        |
| 3 | To obtain information on the autonomic nervous system drugs.                      |
| 4 | To find out and use resources about the profession in the area.                   |
| 5 | To give lectures and/or presentations and discuss with professionals in the area. |

### Programme Outcomes (Veterinary Pharmacology and Toxicology Master's Without Thesis)

|    |  |
|----|--|
| 1  | to be able to comprehend expert knowledge on field of pharmacology and toxicology in veterinary medicine   |
| 2  | to be able to define expert knowledge on interdisciplinary interaction in pharmacology and toxicology  |
| 3  | to be able to formulate ideas to solve complex problems using theoretical and practical information gained throughout the pharmacology and toxicology education.   |
| 4  | to be able to integrate and interpret information in the area of pharmacology and toxicology with information in different fields and, if the need arises, provides scientific information and solutions to solve problems.  |
| 5  | to be able to develop and use strategies in his/her field of expertise in Master's Program of Pharmacology and Toxicology  |
| 6  | to be able to comprehend methods of obtained and submitted scientific knowledge  |
| 7  | to be able to analyse current information related to his/her field of expertise (scientific information, procedures etc.) and use them when necessary  |
| 8  | to be able to apply technological tools in social relationships of vocational and professional environment.  |
| 9  | to be able to review, evaluate and interpret any data (field observations, available scientific information etc.) towards a specific purpose.  |
| 10 | to be able to comprehend expert knowledge on the function and basic pharmacological features of pharmacology and sub-branches of science, relationship between the drug and poison, pharmacokinetic, effects of the drugs, the dose-intensity and dose-effect relationship |
| 11 | to be able to identify expert knowledge on the function and basic toxicological features of poison, classifications and types of poisoning, toxicokinetic, general principles of treatment of poisoning.   |
| 12 | to be able to define and use laboratory equipment in a pharmacology and toxicology laboratory.   |

### Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

|     | L1 | L2 | L3 | L4 | L5 |
|-----|----|----|----|----|----|
| P1  | 5  | 5  | 5  |    |    |
| P2  | 4  |    | 4  |    |    |
| P3  |    |    |    |    | 5  |
| P4  |    |    |    |    | 4  |
| P5  | 4  | 5  | 4  |    | 5  |
| P6  |    |    |    | 5  | 5  |
| P7  |    |    |    | 4  |    |
| P8  | 4  | 5  | 4  |    | 4  |
| P9  |    |    |    | 5  | 5  |
| P10 |    |    | 5  |    |    |
| P11 | 5  | 5  |    |    |    |

