# AYDIN ADNAN MENDERES UNIVERSITY
# COURSE INFORMATION FORM

| Course Title | | Parasypathomimetics, Parasypatholytics | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Course Code | | VFT631 | | Couse Level | | Third Cycle (Doctorate Degree) | | |
| ECTS Credit | 6 | Workload | 149 *(Hours)* | Theory | 2 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | | Providing general information about the autonomic nervous system drugs affecting. | | | | | | |
| Course Content | | Unintentional working which is one of the body's homeostatic balance of the OSS the 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) | | Lec. Hande Sultan ŞAHİNER | | | | | | |

## Assessment Methods and Criteria

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

## Recommended or Required Reading

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|---|---|
| 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 | Anotamik 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 | Sympathomimetic drugs |
| 10 | Theoretical | Sympatholytic drugs |
| 11 | Theoretical | Evaluation |
| 12 | Theoretical | parasympathomimetic drugs |
| 13 | Theoretical | parasympatholytic drugs |
| 14 | Theoretical | Evaluation |
| 15 | Theoretical | discussion |
| 16 | Final Exam | Final exam |

## Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|---|---|---|---|---|
| Lecture - Theory | 14 | 4 | 2 | 84 |
| Assignment | 5 | 5 | 2 | 35 |

| | | | | |
|---|---|---|---|---|
| Midterm Examination | 1 | 12 | 2 | 14 |
| Final Examination | 1 | 14 | 2 | 16 |
| | | | Total Workload (Hours) | 149 |
| | | | [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** *(Pharmacology and Toxicology (Veterinary Medicine) Doctorate)*

| | |
|---|---|
| 1 | Gains expert knowledge on field of pharmacology and toxicology in veterinary medicine and, gains expert knowledge on interdisciplinary interaction in pharmacology and toxicology |
| 2 | To be equipped with the knowledge to develop original ideas about necessary issues in the field by using of both graduate and expertise levels knowledge, to be able to develop original definitions, products and diagnostic procedures, etc. via deepening and questioning these knowledge. |
| 3 | Develops and uses strategies in his/her field of expertise in PhD Program of Pharmacology and Toxicology |
| 4 | Reviews, evaluates and interprets any data (field observations, available scientific information etc.) towards a specific purpose. |
| 5 | Gains 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. |
| 6 | Gains expert knowledge on the function and basic toxicological features of poison, classifications and types of poisoning, toxicokinetic, general principles of treatment of poisoning. |
| 7 | Can offer training to technical staff who will work in pharmacology and toxicology laboratory |
| 8 | Reach to competence to prepare courses at the undergraduate level |
| 9 | Determines and uses laboratory equipment and consumables in a pharmacology and toxicology laboratory. |
| 10 | To be able to plan an interdisciplinary project and build team for the known or new defined problems and to manage and complete such a project when necessary. |
| 11 | To share his/her knowledge in the field with others by attending at field-related or other congresses, panels, symposiums, workshops, seminars, article discussions and problem solving sessions, etc., and to contribute to the solution in the team by establishing relations with the experts in different fields. |
| 12 | To contribute the scientific knowledge in the field via publications in national and international peer-reviewed scientific journals. |
| 13 | Takes roles in vocational organizations and institution. |
| 14 | Forms ideas to solve complex problems using theoretical and practical information gained throughout the pharmacology and toxicology education. |
| 15 | To adopt lifelong learning as a principle and acknowledge that the information gained through research is the most valuable gain. |
| 16 | Knows and protects rights of ideas and industrial property (patent right) |

**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 | 4 | 5 | | |
| P2 | | | | 4 | |
| P3 | 4 | 4 | 4 | 5 | |
| P6 | 5 | 5 | 5 | | |
| P8 | 4 | 4 | 4 | | 4 |
| P11 | | | | | 5 |
| P12 | 4 | 5 | 4 | 4 | |
| P14 | 4 | 5 | 4 | | 5 |