



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

| | | | | | | | | | |
|--|---|--|------------|---|---|--------------------------------|---|------------|---|
| Course Title | | Methods of Molecular Diagnosis | | | | | | | |
| Course Code | | VPT644 | | Course Level | | Third Cycle (Doctorate Degree) | | | |
| ECTS Credit | 3 | Workload | 77 (Hours) | Theory | 2 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | | The use of in situ hybridization and polymerase chain reaction methods in viral, bacterial, parasitic diseases and tumors will be given. | | | | | | | |
| Course Content | | The use of in situ hybridization and polymerase chain reaction methods in viral, bacterial, parasitic diseases and tumors will be given. | | | | | | | |
| Work Placement | | N/A | | | | | | | |
| Planned Learning Activities and Teaching Methods | | | | Explanation (Presentation), Demonstration | | | | | |
| Name of Lecturer(s) | | | | | | | | | |

Assessment Methods and Criteria

| Method | Quantity | Percentage (%) |
|---------------------|----------|----------------|
| Midterm Examination | 1 | 60 |
| Assignment | 5 | 40 |

Recommended or Required Reading

| | |
|---|--|
| 1 | Köküslü, C., (1996) Genel Patoloji, Medisan Yayınevi, Ankara. |
| 2 | Erer, H., Kıran, M.M., Çiftçi, M.K., (2000) Veteriner Genel Patoloji, Bahçivanlar Basım, Konya. |
| 3 | Jones, T.C., Hunt, R.D., King, N.W., (1996) Veterinary Patology, Waverly Company, Philadelphia, USA. |
| 4 | Thomson, R.G., (1978) General Veterinary Patology, W.B.Saunders Company. Philadelphia, USA. |
| 5 | Gavin, M.D.M., Zachary, J. F. (2007) Pathologic Basis of Veterinary Disease, Mosby, London, UK. |
| 6 | Robbins, K. C. (1992) Basic Pathology, W.B.Saunders Company, Philadelphia, USA. |
| 7 | K.V.F. Jubb, P. C.Kennedy, N. Palmer (1992). Pathology of Domestic Animals volume 1. 4th edition. Academic Pres Inc. |
| 8 | K.V.F. Jubb, P. C.Kennedy, N. Palmer (1992). Pathology of Domestic Animals volume 2. 4th edition. Academic Pres Inc. |
| 9 | K.V.F. Jubb, P. C.Kennedy, N. Palmer (1992). Pathology of Domestic Animals volume 3. 4th edition. Academic Pres Inc. |

| Week | Weekly Detailed Course Contents | |
|------|---------------------------------|--|
| 1 | Theoretical | |
| 2 | Theoretical | |
| 3 | Theoretical | |
| 4 | Theoretical | |
| 5 | Theoretical | |
| 6 | Theoretical | |
| 7 | Theoretical | |
| 8 | Intermediate Exam | |
| 9 | Theoretical | |
| 10 | Theoretical | |
| 11 | Theoretical | |
| 12 | Theoretical | |
| 13 | Theoretical | |
| 14 | Theoretical | |
| 15 | Final Exam | |

Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|------------------|----------|-------------|----------|----------------|
| Lecture - Theory | 14 | 1 | 2 | 42 |
| Individual Work | 2 | 10 | 2 | 24 |



| | | | | |
|---|---|----|---|----|
| Final Examination | 1 | 10 | 1 | 11 |
| Total Workload (Hours) | | | | 77 |
| [Total Workload (Hours) / 25*] = ECTS | | | | 3 |
| *25 hour workload is accepted as 1 ECTS | | | | |

Learning Outcomes

| | |
|---|--|
| 1 | To have knowledge about molecular diagnostic methods |
| 2 | To have knowledge about the use of in situ hybridization and polymerase chain reaction methods in viral diseases |
| 3 | To have knowledge about the use of in situ hybridization and polymerase chain reaction methods in bacterial diseases |
| 4 | To have knowledge about the use of in situ hybridization and polymerase chain reaction methods in parasitic diseases |
| 5 | To have knowledge about the use of in situ hybridization and polymerase chain reaction methods in tumors |

Programme Outcomes (Pathology (Veterinary Medicine) Doctorate)

| | |
|----|---|
| 1 | The student knows lesions of organs and tissues as well as pathological mechanisms of infectious/noninfectious diseases of especially farm and pet animals. |
| 2 | The student intensify theoretical and practical knowledge. |
| 3 | The student will learn and apply a variety of theoretical methods of diagnosis. |
| 4 | Students macroscopic and microscopic signs of diseases characterized by evaluating the clinical findings and examine the comparative. |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |

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 | 5 | 5 |
| P2 | 5 | 5 | 5 | 5 | 5 |
| P3 | 5 | 5 | 5 | 5 | 5 |
| P4 | 5 | 5 | 5 | 5 | 5 |
| P5 | 5 | 5 | 5 | 5 | 5 |
| P6 | 5 | 5 | 5 | 5 | 5 |
| P7 | 5 | 5 | 5 | 5 | 5 |
| P8 | 5 | 5 | 5 | 5 | 5 |
| P9 | 5 | 5 | 5 | 5 | 5 |
| P10 | 5 | 5 | 5 | 5 | 5 |

