



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Applications of Molecular diagnosticMethods							
Course Code		VPT682		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	2	Workload	55 (Hours)	Theory	0	Practice	2	Laboratory	0
Objectives of the Course		To gain the ability of performing the applications of molecular diagnostic techniques PCR, in-situ PCR and in-situ hybridization methods in tissue and tissue sections.							
Course Content		To gain the ability of performing the applications of molecular diagnostic techniques PCR, in-situ PCR and in-situ hybridization methods in tissue and tissue sections.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	60
Assignment	6	40

Recommended or Required Reading

1	K.V.F. Jubb, P. C.Kennedy, N. Palmer (1992). Pathology of Domestic Animals volume 1. 4th edition. Academic Pres Inc.
2	K.V.F. Jubb, P. C.Kennedy, N. Palmer (1992). Pathology of Domestic Animals volume 2. 4th edition. Academic Pres Inc.
3	K.V.F. Jubb, P. C.Kennedy, N. Palmer (1992). Pathology of Domestic Animals volume 3. 4th edition. Academic Pres Inc.
4	Veteriner Patoloji, Milli Ü., Hazıroğlu R. (2000). 1. cilt medipres, Ankara.
5	Veteriner Patoloji, Milli Ü., Hazıroğlu R. (2000). 2. cilt medipres, Ankara.
6	Metin, N. (2008) Üriner sistem Patolojisi, Sinir Sistemi Patolojisi, Sindirim, Solunum ve Bilier Sistem Patoloji, Aydın.

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

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Practice	14	1	2	42
Final Examination	1	12	1	13
Total Workload (Hours)				55
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	To have knowledge about biomolecules and cell
2	To have knowledge about nucleic acids, gene and genome structure
3	To have knowledge about recombinant DNA technology, hybridization and PCR
4	To have knowledge about application areas of molecular techniques
5	To learn molecular diagnostic methods in practice

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	
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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

