AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Introduction to Immunohistochemical Techniques								
Course Code	VPT532		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	3	Workload	72 *(Hours)*	Theory	1	Practice	2	Laboratory	0
Objectives of the Course	Morphologic and biochemical caharacteristics of antibody and antigen and basic principles of the immunofluorescent, immunoparoxidase and alkaline phosphatase methods								
Course Content	Morphologic and biochemical caharacteristics of antibody and antigen and basic principles of the immunofluorescent, immunoparoxidase and alkaline phosphatase methods								
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	40
Final Examination	1	60

Recommended or Required Reading	
1	K.V.F. Jubb, Kennedy, P.C., Palmer, N. (1992) Pathology of Domestic Animals, Volume 1, Academic Pres, San Diego, New York, Boston.
2	K.V.F. Jubb, Kennedy, P.C., Palmer, N. (1992) Pathology of Domestic Animals, Volume 2, Academic Pres, San Diego, New York, Boston.

Week	Weekly Detailed Course Contents	
1	Theoretical	Antigens
	Preparation Work	Book
2	Theoretical	Morphological features of antigens
	Preparation Work	Book
3	Theoretical	Anticores
	Preparation Work	Book
4	Theoretical	Biochemical features of anticore
	Preparation Work	Book
5	Theoretical	Basic principle in immunohistochemical techniques
	Preparation Work	Book
6	Theoretical	Apply fields of immunohistochemical techniques
	Preparation Work	Book
7	Theoretical	Basic principle in evaluation immunohistochemical techniques
	Preparation Work	Book
8	Preparation Work	Book
	Intermediate Exam	Mid term
9	Theoretical	Importance of immunohistochemical techniques
	Preparation Work	Book
10	Theoretical	Problems about immunohistochemical techniques
	Preparation Work	Book
11	Theoretical	Floresan anticore technique
	Preparation Work	Book
12	Theoretical	İmmunoperoksidaz technique
	Preparation Work	Book
13	Theoretical	İmmunoalkalin fosfatas technique
	Preparation Work	Book
14	Theoretical	Demonstration
	Preparation Work	Book

15	Theoretical	Final exam
	Preparation Work	Book

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Midterm Examination	1	14	1	15
Final Examination	1	14	1	15
			Total Workload (Hours)	72
			[Total Workload (Hours) / 25*] = **ECTS**	3

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	Morphologic and biochemical caharacteristics of antibody and antigen
2	To be knowledgeable about the immunohistochemical techniques
3	To be knowledgeable about the steps of the immunohistochemical staining techniques
4	To be knowledgeable about the problems and causes of immunohistochemical staining
5	To be knowledgeable about the use of immunohistochemical staining in the diagnosis of diseases

Programme Outcomes *(Pathology (Veterinary Medicine) Master)*

1	The student knows anatomy, structure/function of organs and tissues as well as physiological mechanisms of especially farm animals.
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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	3	3	3	5	5
P2	4	5	5	5	5
P3	4	5	5	5	5
P4	4	3	4	5	5
P5	5	3	3	5	5
P6	3	3	5	5	5
P7	3	3	5	5	5
P8	3	4	5	5	5
P9	3	4	5	5	5
P10	5	3	3	5	5