

INFECTIOUS DISEASES OF POULTRY

1	Course Title:	INFECTIOUS DISEASES OF POULTRY
2	Course Code:	VET3016
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	3
6	Semester:	6
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. K.TAYFUN ÇARLI
15	Course Lecturers:	Doç. Dr. Serpil KAHYA DEMİRBİLEK
16	Contact information of the Course Coordinator:	U.Ü. Veteriner Fakültesi Mikrobiyoloji Anabilim Dalı, Görükle Kampüsü 16059 Bursa mail: tayfun@uludag.edu.tr (+90 224) 294 12 91
17	Website:	
18	Objective of the Course:	To have information about infectious disease of poultry.
19	Contribution of the Course to Professional Development:	The student learns: -Viral, bacterial and mycotic infections of poultry animals - Diagnosis of poultry infections by serological, bacterial and molecular methods - Treatment of poultry infections and application of protection control methods
20	Learning Outcomes:	
	1	To be able to use and apprehend of biosecurity and monitoring.
	2	To conceive description of poultry infectious diseases.
	3	To have new information about infectious poultry diseases's ethiology, pathogenesis and diagnosis in Turkey and the World.
	4	To make differential diagnosis of poultry infectious diseases.
	5	To know proper laboratory diagnostic method in poultry infectious diseases.
	6	To gain experience about the use of molecular microbiology for characterization of bacterial, virus and fungal infections of poultry.
	7	To gain experience about the use of molecular microbiology for characterization of bacterial, virus and fungal infections of poultry.
	8	To be able to apply and interpret the serologic methods use of diagnosis of infectious diseases of poultry.
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21	Course Content:	

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Week	Theoretical	Practice
1	Description of the courses	Flock background and taking anamnesis, external examination
2	Salmonella infections: Fowl typhoid, Pullorum Disease, Paratyphoid infections	Necropsy procedure and respiratory, gastrointestinal, urinary, reproductive and vascular system necropsy
3	Mycoplasma infeksiyonları; Mycoplasma gallisepticum, M.synoviae, M.meleagridis, and M.iowae infections	Necropsy procedure and steps
4	Escherichia coli infections, Avian tuberculosis	Necropsy procedure in bacterial infections
5	Streptococcus and Staphylococcus infections, Necrotic enteritis	Isolation of bacteria, selection of the media, inoculation and incubation, sampling for diagnostic tests.
6	Fowl cholera, Infectious Coryza	Identification of suspected colonies
7	Newcastle Disease (ND)	Serotyping and antibiogram
8	Serotyping and antibiogram	HI for ND, IB, EDS 76
9	Marek's Disease	HI for ND
10	Infectious Bursal Disease	HI for Infectious Bronchitis
11	Avian Leucosis	HA and HI for Mycoplasma gallisepticum
12	Epidemic Tremor, Egg Drop Syndrome	Egg Drop Syndrome HI
13	Avian Pox and Chicken Infectious Anaemia	Reovirus and Infectious Bursal Disease, Agar Gel Immunodiffusion Test
14	Avian Reovirus infections, Avian influenza infections	ELISA and inoculation of embryonated eegs in poultry diseases
22	Textbooks, References and/or Other Materials:	Carlı K.T., Infectious Diseases of Poultry, Ankara Nobel Tıp Publishing, Bursa, 2019. Diseases of Poultry, ed: David E.S, Glisson J.R, McDougald L.R, Nolan L.K, Suarez D.L, Nair V., John Wiley & Sons, Inc., Publication, thirteen edition, 2013. Avian Pathology, journal Poultry Diseases, journal Avian Diseases, journal OİE, Terrestrial manual, http://www.oie.int
23	Assesment	
TERM LEARNING ACTIVITIES		WEIGHT
Midterm Exam		30.00
Quiz		10.00
Home work-project		0.00
Final Exam		60.00
Total		100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Midterm exam, Quiz, Final exam
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	14	2.00	28.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	1.00	1.00
Others	0	0.00	0.00
Final Exams	1	2.00	2.00
Total Work Load			87.00
Total work load/ 30 hr			2.90
ECTS Credit of the Course			3.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK3	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
ÖK4	1	1	2	2	1	1	1	1	1	1	1	1	0	0	0	0
ÖK5	1	1	5	2	1	1	1	1	1	1	1	1	0	0	0	0
ÖK6	1	1	5	2	1	1	1	1	1	1	1	1	0	0	0	0
ÖK7	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0	0
ÖK8	1	1	5	2	1	1	1	1	1	1	1	1	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			