



ULUDAĞ UNIVERSITY
GRADUATE SCHOOL OF EDUCATION
2017-2018 ACADEMIC YEAR COURSE PLAN

DEPARTMENT OF	ANIMAL SCIENCE
DEPARTMENT / PROGRAM	/ Master's Degree Program

COURSE STAGE	I. TERM / FALL								II. TERM / SPRING							
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS
									ZTK5000	RESEARCH TECHNIQUES and PUBLICATION ETHICS in ANIMAL SCIENCE	C	2	0	0	2	2
	ZTK5181	ADVANCED TOPICS IN MA THESIS I	S	0	0	0	5	5	ZTK5182	ADVANCED TOPICS IN MA THESIS II	S	4	0	0	0	5
	ZTK5191	MA THESIS I	Z	0	1	0	0	1	ZTK5192	MA THESIS II	Z	0	1	0	0	1
	ZTK 5101	ADVANCED DOMESTIC ANIMAL BREEDING	S	3	0	0	3	6	ZTK5172	SEMINAR	Z	0	2	0	0	4
	ZTK 5103	PHYSIOLOGY OF REPRODUCTION	S	3	0	0	3	6	ZTK 5102	SCIENTIFIC PRINCIPLES OF MILK PRODUCTION	S	3	0	0	3	6
	ZTK 5105	PROCESSING OF BROILER AND CARCASS QUALITY	S	3	0	0	3	6	ZTK 5104	SHEEP AND WOOL	S	3	0	0	3	6
	ZTK5107	POULTRY BEHAVIOUR	S	3	0	0	3	6	ZTK 5106	INCUBATION MANAGEMENT AND EMBRIOLOGY	S	3	0	0	3	6
	ZTK5109	CLIMATE CHANGE AND LIVESTOCK	S	3	0	0	3	6	ZTK 5108	SCIENTIFIC PRINCIPLES OF POULTRY BREEDING	S	3	0	0	3	6
	ZTK5111	ALTERNATIVE POULTRY MANAGEMENT SYSTEMS	S	3	0	0	3	6	ZTK 5110	SCIENTIFIC PRINCIPLES OF SERICULTURE	S	3	0	0	3	6
	ZTK 5113	WASTE MANAGEMENT OF POULTRY PRODUCTION	S	3	0	0	3	6	ZTK 5112	EGG SCIENCE	S	3	0	0	3	6
	ZTK 5115	BEE PRODUCTS AND UTILIZATION	S	3	0	0	3	6	ZTK 5114	STRESS IN POULTRY AND ITS RELATIONSHIP PRODUCTION	S	3	0	0	3	6
	ZTK5117	POULTRY PHYSIOLOGY SCIENTIFIC PRINCIPLES	S	3	0	0	3	6	ZTK 5116	PREDICTION BREEDING VALUE	S	2	2	0	3	6
	ZTK5119	WELFARE AND PRACTICES IN POULTRY	S	3	0	0	3	6	ZTK5118	BREEDER AND LAYER MANAGEMENT	S	3	0	0	3	6
	ZTK5121	AVIAN IMMUNOLOGY AND THERMOREGULATION	S	3	0	0	3	6	ZTK5120	POULTRY INTEGRATED PRODUCTION SYSTEMS	S	3	0	0	3	6
	ZTK5123	WATERFOWL PRODUCTION	S	3	0	0	3	6	ZTK5122	SUSTAINABLE ANIMAL HUSBANDRY	S	3	0	0	3	6
	ZTK5125	DAIRY SMALL RUMINANTS HUSBANDRY	S	3	0	0	3	6	ZTK5124	AVIAN REPRODUCTION PHYSIOLOGY	S	3	0	0	3	6
	ZTK5127	DAIRY HERD MANAGEMENT	S	3	0	0	3	6	ZTK5126	POULTRY GROWTH AND ENDOCRINE MECHANISM	S	3	0	0	3	6
	ZTK5201	RUMINANTS NUTRITION	S	3	0	0	3	6	ZTK 5202	ANIMAL ENVIRONMENT RELATIONS	S	3	0	0	3	6
	ZTK5203	MIXED FEED TECHNOLOGY	S	3	0	0	3	6	ZTK 5204	DAIRY CATTLE NUTRITION	S	3	0	0	3	6
	ZTK5205	SILAGE FERMENTATION	S	3	0	0	3	6	ZTK 5206	NUTRITION OF BEEF CATTLE	S	3	0	0	3	6
	ZTK5207	LABORATORY METHODS IN ANIMAL NUTRITION	S	2	2	0	3	6	ZTK 5208	ORGANIC ANIMAL HUSBANDRY	S	3	0	0	3	6

	ZTK 5301	POPULATION GENETICS IN ANIMAL BREEDING	S	3	0	0	3	6	ZTK 5302	GENETIC ENGINEERING OF ANIMALS	S	3	0	0	3	6		
	ZTK 5303	PRINCIPAL GENETIC LABORATORY APPLICATIONS USED IN LIVESTOCK	S	2	2	0	3	6	ZTK 5304	GENOME ANALYSIS IN LIVESTOCK	S	3	0	0	3	6		
									ZTK 5306	QUANTITATIVE GENETICS	S	3	0	0	3	6		
	Total Credits							12	30	Total Credits							11	30
STAGE THESIS	III. TERM / FALL								IV. TERM / SPRING									
	ZTK518 3	ADVANCED TOPICS IN MA THESIS III	Z	4	0	0	0	5	ZTK5184	ADVANCED TOPICS IN MA THESIS IV	Z	4	0	0	0	5		
	ZTK519 3	MA THESIS CONSULTING III	Z	0	1	0	0	25	ZTK5192	MA THESIS CONSULTING IV	Z	0	1	0	0	25		
	Total Credits							0	30	Total Credits							0	30
TOTAL CREDITS: 23 TOTAL ECTS: 120																		

Not: The student is expected to take a total of credited (.....) selective courses every academic term.

The student has the option of choosing one selective course from another department with the endorsement of the supervisor.



**ULUDAĞ UNIVERSITY
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2017-2018 ACADEMIC YEAR COURSE PLAN**

DEPARTMENT OF	ANIMAL SCIENCE
DEPARTMENT / PROGRAM	/ Doctoral Program

COURSE STAGE	I. TERM / FALL								II. TERM / SPRING									
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS		
	ZTK6181	ADVANCED TOPICS IN PHD THESIS	S	4	0	0	0	5	FEN6000	RESEARCH TECHNIQUES and PUBLICATION ETHICS	Z	2	0	0	2	2		
	ZTK6191	PHD THESIS I	Z	0	1	0	2	1	ZTK6182	ADVANCED TOPICS IN PHD THESIS	S	4	0	0	0	5		
	ZTK 6101	SCIENTIFIC PRINCIPLES OF MEAT PRODUCTION	S	3	0	0	3	6	ZTK6192	PHD THESIS II	Z	0	1	0	0	1		
	ZTK 6105	BROILER AND TURKEY PRODUCTION	S	3	0	0	3	6	ZTK6172	SEMINAR	Z	0	2	0	0	4		
	ZTK 6107	SHEEP AND GOAT BEHAVIOR	S	3	0	0	3	6	ZTK 6102	ANIMAL WELFARE IN FARM ANIMALS	S	3	0	0	3	6		
	ZTK 6201	FEED ADDITIVES	S	3	0	0	3	6	ZTK6110	POULTRY BREEDING	S	3	0	0	3	6		
	ZTK 6203	NUTRITIONAL ECOLOGY OF RUMINANTS	S	3	0	0	3	6	ZTK 6112	MANAGEMENT OF HONEY BEE COLONY	S	3	0	0	3	6		
	ZTK 6205	DIGESTIVE PHYSIOLOGY OF RUMINANTS	S	3	0	0	3	6	ZTK 6202	NUTRIENT METOBOLISM OF RUMINANTS	S	3	0	0	3	6		
	ZTK 6301	MOLECULAR GENETICS	S	3	0	0	3	6	ZTK 6204	THE BIOCHEMISTRY OF SILAGE	S	3	0	0	3	6		
	ZTK6 303	MOLECULAR EVOLUTIONARY GENETICS	S	3	0	0	3	6	ZTK6206	SCIENTIFIC PRINCIPLES OF POULTRY NUTRITION	S	3	0	0	3	6		
									ZTK 6302	CONSERVATION OF ANIMAL GENETIC RESOURCES	S	3	0	0	3	6		
	Toplam Kredi							12	30	Toplam Kredi							12	30

STAGE THESIS	III. TERM / FALL								IV. TERM / SPRING									
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS		
	ZTK6183	ADVANCED TOPICS IN PHD THESIS III	Z	4	0	0	0	5	ZTK6184	ADVANCED TOPICS IN PHD THESIS IV	Z	4	0	0	0	5		
	ZTK6193	PHD THESIS CONSULTING III	Z	0	1	0	0	15	ZTK6194	PHD THESIS CONDULTING IV	Z	0	1	0	0	25		
	YET6177	PHD PROFICIENCY EXAMINATION	Z	0	0	0	0	10										
	Toplam Kredi							0	30	Toplam Kredi							0	30
	V. TERM / FALL								VI. TERM / SPRING									
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS		
	ZTK6185	ADVANCED TOPICS IN PHD THESIS V	Z	4	0	0	0	5	ZTK6186	ADVANCED TOPICS IN PHD THESIS VI	Z	4	0	0	0	5		
	ZTK6195	PHD THESIS CONSULTING V	Z	0	1	0	0	25	ZTK6196	PHD THESIS CONSULTING VI	Z	0	1	0	0	25		
	Toplam Kredi							3	30	Toplam Kredi							4	30
	VII. TERM / FALL								VIII. TERM / SPRING									
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS		
	ZTK6187	ADVANCED TOPICS IN PHD THESIS VII	Z	4	0	0	0	5	ZTK6188	ADVANCED TOPICS IN PHD THESIS VIII	Z	4	0	0	0	5		
	ZTK6197	PHD THESIS CONSULTING VII	Z	0	1	0	0	25	ZTK6198	PHD THESIS CONSULTING VIII	Z	0	1	0	0	25		
	Toplam Kredi							0	30	Toplam Kredi							0	30

TOTAL CREDITS: 23 - TOTAL ECTS: 240

Not: The student is expected to take a total of credited (.....) selective courses every academic term.
The student has the option of choosing one selective course from another department with the endorsement of the supervisor. *Success in Ph.D. qualifying exam is a prerequisite.