Course name			Course code	Semester	Teoric+application	Credit	ACTS		
Energy and protein feeding		5116226	2	3+0	3	6			
Prerequisite courses									
Course language		Turkish- English							
Type of course			Obligatory						
Course coordinator			Sabri YURTS	EVEN					
The instructor									
Helpers of the course									
The aim of	This o	course p	provides informa	ation on a v	vide range of energy	and protein	resources,		
the course	includ	ing con	centrate, grasslands, plant and animal by-products, meal as well as other						
	vegeta	table crops, fruit crops, and animal wastes, for animals. This course provides many							
	new d	levelopn	pments and insights on nitrogen and energy nutrition for the students and						
			e more recent publications in the field is especially needed for students as well						
	as for				ducers of cattle and shee	ep.			
Learning		At the	end of this course	e; the student					
outcomes	of the	1-	Will have know	ledge about	energy and protein sourc	es			
course		2-	Can learn the concept of energy and protein requirements of animals						
		3-	Can learn energy and protein metabolism						
Course con	tent		course gives research and development on various nitrogen and energy						
			affs and defines terminology commonly utilized in nitrogen and energy						
		nutritio	on.						
Weeks	Topics								
1	Feed int	take							
2	Rumen	microbe	S						
3			ing energy and p	orotein degrac	ation				
4	Degradation of nutrients								
5			s in rumen						
6	Efficien	cy of en	ergy utilization b	by microbes					
7	Mid-ter								
8			me and performa		ants				
9			n concentrate die						
10	Rumen	fermenta	ation manipulation	on					
11	Glucone	eogenesi							
12	Nutritio	nal and	energy terms						
13	Fermentation pathways								
14	Net ener	rgy syste	ems						
Generic cor	npetence	es							
The students understand the energy and protein requirements of animals, and prepare balanced ration for						ed ration for			
			nergy and protein		, 1 1	•			
Sources			22 1						
	v 1086	Nitroge	n and energy nut	trition of rum	inants. In :Animal feedi	ng and nutri	tion Tony I		

Ray l. Shirley. 1986. Nitrogen and energy nutrition of ruminants. **In**: Animal feeding and nutrition Tony J. Cunha (**Ed.**) University of Florida Gainesville, Florida

Course evaluation system

Mid-term exam: % 40
Final: % 60
Projects: Homeworks: :

Course nar	ne	Course code	Semester	Teoric+application	Credit	ACTS			
The ways	of Improving		2	3+0	3	6			
Turkey's	Anima	ĺ							
Husbandry									
Prerequisite courses									
Course lan	Course language		Turkish- English						
Type of cou	ırse	Obligatory							
Course coo		Sabri YURTS	Sabri YURTSEVEN						
The instruc	The instructor								
Helpers of	the course								
The aim of	The aim of the	his course is to re-	veal the anim	al resources of Turkey, t	he current sit	tuation, the			
the course				on a wide range of anim					
		attle, water buffalo, goat and sheep as well as other livestock animals such as							
			ction. This course provides many new developments and insights on animal						
			r the students. It summarizes the problems and suggestions for solutions in the						
		cially needed for students as well as for extension people, consultants, and							
т •			cattle and sheep.						
Learning		end of this course; the student;							
outcomes		Will have knowledge about animal resources of Turkey							
course		Can learn the problems of animal production and solution ways							
Course con		ourse gives research and development on various animal populations and							
XX/l			s terminology commonly utilized in animal production of Turkey.						
Weeks	Topics The above of	animal existence according to years in Turkey							
2				years in Turkey					
3	The situation of Turkey's cattle production The situation of Turkey's sheep production								
4	The problems of cattle production in Turkey								
5	The problems of small ruminant production in Turkey The problems of small ruminant production in Turkey								
6	Cattle breeding of Turkey in the future								
7	Mid-term exam								
8	The General Situation of Small ruminant Breeding in Turkey								
9	The situation of Turkey's animal feed production								
10	Forage production in turkey and its problems								
11		e Problem in Turkey and New Model Proposals							
		f poultry production in Turkey							
1		ultry feed production in Turkey							
14	Animal import and export problems in Turkey								
Generic co		• •	•						
The student	s understand the	population of an	imals in Turk	ey, and prepare solution	proposal for	problems.			

Sources

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Berrin ŞENTÜRK. 2015. Türkiye'de Salgın Hayvan Hastalık Sorunu ve Yeni Model Önerileri. Harran Üniv Vet Fak Derg, 4(1) 27-29

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Course evaluation system

Mid-term exam: % 40 Final : % 60 **Projects** : Homework

Course nam	ie		Course code	Semester	Teoric+application	Credit	ACTS		
Preparing a ration			5116105	1	3+0	3	6		
formulation	on comp	outer							
Prerequisite courses									
Course language			Turkish- English						
Type of cou			Obligatory						
Course coor	dinator	•	Sabri YURTS	EVEN					
The instructor									
Helpers of the course									
The aim of	1 1								
the course					vities. The other aim of				
					provides many new de	evelopments	on animal		
T .	ration		tions for the stud						
Learning	e 41		end of this course						
	of the		will have knowledge about feed and ration						
course		2-	can learn to make balanced ration formulations for animal production with						
Course cont	ont	This as	computer help.						
Course cont	ent	enerov	ourse gives research and development on various ration solutions and defines and protein feeds for balancing ration solution						
Weeks	Topics	chergy	and protein recus for baraneing fation solution						
		nimals N	eed Nutrients						
				nuation of life	 }				
	Nutrients necessary for the continuation of life Definition of feed, mixed feed and ration								
		cation of							
5	Forages	and con	centrate feeds						
6	Animal	feed add	litives						
7	Mid-tei	rm exan	1						
			d ration formula						
			of Feed Raw Mat	erials and Ra	tion Preparation				
			on Principles						
	Using excel in ration preparation								
	Determination of nutrient requirements								
	Preparing ration for beef cattle or dairy cattle								
			for poultry and s	sheep					
Generic con	•		0 1 2 2	1		1.0	1.1		
	underst	and the	tormulation of ba	lanced ratio,	and prepare solution pro	posal for pr	oblems.		
Sources	<u> </u>								
			elik, L.B. 2003. C pilim Dalı Adana		besleme. Çukurova Üni.	Ziraat F. Y	emler ve		
			ş ve küçükbaş ha lı Adana	yvan besleme	e. Çukurova Üni. Ziraat	F. Yemler v	e Hayvan		
Course eval									
Mid-term ex		•							
Final		6 60							
Projects	:	· - -							
Homework	:								

Course name		Course code	Semester	Teoric+application	Credit	ACTS			
Poultry nutrition		5116109	1	3+0	3	6			
Prerequisi									
Course language			Turkish- English						
Type of course			Obligatory						
Course coordinator			Sabri YURTS	EVEN					
The instru	ctor								
Helpers of	the c	course							
The aim	of	Poultry far	ming, especially	egg chicken	and broiler chickens pro	oduction in	our country		
the course					ction. The feedstuff in p				
		element with a share of 70-75% in total input. For this reason, This course provides to							
			now the characteristics of the digestive physiology of chickens, basic nutrients,						
			n, feed sources, feeding, breeding direction and environment of the chicken						
				feeding in poultry farming.					
Learning	4		of this course; the				., ,		
outcomes	of			ge about ene	rgy and protein require	ment of bro	iler chicker		
the course			d laying hens	1.	1				
					digestive systems				
Course			n learn to make optimum ration composition e gives research and development on poultry nutrition and energy feedstuffs						
content					ized in poultry especia				
content		laying hens	<i></i>	oninionly uni	nzed in poditry especia	ily broner (micken and		
Weeks	Top)·						
1			oultry animals						
2		Digestion in poultry animals Basic nutritional materials and metabolism							
3			ements and fee						
4		ergy and pro		aing or pour	<u> </u>				
5		amin and m							
6		ed additives							
7		d-term exan							
8			aracteristics of c	hickens					
9		ding of lay							
10	Fee	ding broile	rs						
11	1		nents related to	feed and fee	d				
12			ed to feed-nutrit						
13			tion for poultry	ion and men					
14		<u> </u>	ion for poultry						
Generic co			non for pountry						
	_		anaray and pro	tain magniman	nents of hens, and prep	ora halanaa	d ration for		
			e energy and prot		nents of nens, and prep	are barance	u fation for		
Sources	111011	s. They learn	renergy and prot	em sources.					
	201	5 V ama41, 1	varon hasteres C	ulmana The '-	vannitani Tima et Eslevite e	Zaataliii: D	::1:::::		
					versitesi Ziraat Fakültesi	Zootekni B	oiumu.		
			Anabilim Dalı. A feeding of Organ		T K				
Course eva			recuing of Organ	me i ouitiy. C	/ IX				
Mid-term Final	exam	: % 40 : % 60							
r IIIai Duois e4e		. 70 00							

Projects Homeworks