	RE	SIDUI							
1	Course Title:	RESIDU	E ANALYSIS						
2	Course Code:	VFR601	4						
3	Type of Course:	Optional							
4	Level of Course:	Third Cy	cle						
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	6.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	-							
12	Language:	Turkish							
13	Mode of Delivery:	Face to							
14	Course Coordinator:		HASAN HÜSEYIN ORUÇ						
15	Course Lecturers:		oç. Dr. Murat CENGİZ						
16	Contact information of the Course Coordinator:	oruc@uludag.edu.tr + 90 224 2941322 Veteriner Fakültesi Farmakoloji ve Toksikoloji Anabilim Dalı 16059 Bursa							
17	Website:	http://saglikbilimleri.uludag.edu.tr/anabilimdallari.php							
18	Objective of the Course:	To educate residue, importance of human health, preventive, analyis material and methods.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	To comprehend residue and importance of human health						
		2	To understand economical damage of residue						
		3	To understand contain feed and food materials						
		4	To choose method and instrument for detection of residue						
		5	To prepare solutions and instruments for analysis						
		6	To suggest solutions for prevent of residue						
		7							
		8 9							
		9 10							
21	Course Content:	1	1						
		Co	ourse Content:						
Week	Theoretical		Practice						
1	Residue and importance		Principles in laboratory studies						
2	Instruments used in residue analysis	3	Introduction of instrument and equipments used in residue analysis						
3	Reasons of residue and prevention		Principles of work of instrument and equipments used in residue analysis						
4	Criteria of residue		Plan for residue analysis						

5	Resid	due i	n biol	ogical	mate	rials			PI	Plan for residue analysis											
6	Choose of methods									Choose of extraction methods											
7				ods (c of det		tion cu)	irve,			Demonstration of calibration curve, recovery, limit of detection											
8	Impo anayl		ce of	reage	nt and	l solutio	ons us	sed in	Pr	Preparation of reagent and solutions used in analysis											
9	Мусо	otoxii	าร						M	Mycotoxin analysis											
10	Resid	due i	n me	at, mil	k and	fish			Re	Residue analysis											
11	Resid	due i	n hor	ney an	d egg				Re	Residue analysis											
12	Toler	ans	limits	for re	sidue	S			Re	esidue	analys	is									
13	Evaluation of tolerans limits										Evaluation of analysis results										
14	Evaluation of courses										Evaluation of application courses										
22	Textbooks, References and/or Other Materials:									 Adams H.R., Veterinary Pharmacology and Therapeutics, 8th edition, Iowa State University Press, Ames, 2001. Boothe D.M., Small Animal Clinical Pharmacology and Therapeutics. W.B. Saunders Company, USA, 2001. Prescott J.F., Baggot J.D., Walker R.D., Antimicrobial Therapy in Veterinary Medicine. Third Edition, Iowa State Pres, Ames, 2000. Deshpande S S., Handbook of Food Toxicology. Marcel 											
Activites							<u> </u>	Dekker, Inc. NY, 2002. Number				Duration (hour)			Total Work Load (hour)						
Theore	oretical									14 Ecosystems and Humar				th, To	14.00 7 and	4.00 and					
Practic	cals/Labs									14					28.00						
Self stu	tudy and preperation									He ¹ itzman R J., Veterina				ig Resi	idues. \$	econd edition,					
1	omeworks									2				5.00 7.00			10.00				
	Assesment									2						14.00					
Field S	studies	5								0						0.00					
		n exams o									0.00					0.00					
Others										5						20.00					
Finale			ct				2		40	40.00)		10.00					
Total W														180.00							
	vork load/ 30 hr 3									100.00						6.00					
	ECTS Credit of the Course Success Grade															6.00					
				vor i	· ····		rode		000	60.00											
Contribution of Final Exam to Success Grade Total									100.00												
Measu	remen	nt an	d Eva	luatio	n Tec	hnique	s l Ise	d in th													
Course							<u> </u>	<u> </u>	Ĭ												
24	ECT	S/	WO	RK L	OAD	TAB	LE														
25				CON	TRIE	BUTIC	N O			NING LIFIC		COMES ONS	S TO	PROG	GRAM	ME					
	P	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16				
ÖKA			2		0	0					0		0	3		0					
ÖK1	4		3	3	3	3	4	5	3	3	4	4	3	0	0	0	0				
				I	I	I	I				I			I	1	1	I				

Contrib ution Level:	ution			2 low		3	3 Medium		4 High			5 Very High				
LO: Learning Objectives PQ: Program Qualifications																
ÖK6	3	4	4	4	3	4	5	4	4	4	4	4	0	0	0	0
ÖK5	4	4	4	3	3	3	5	4	3	4	4	4	0	0	0	0
ÖK4	4	4	4	3	3	3	5	3	4	4	4	4	0	0	0	0
ÖK3	3	3	4	3	3	3	5	3	3	4	4	3	0	0	0	0
ÖK2	3	3	4	3	3	4	5	3	3	4	4	3	0	0	0	0