QU	ALITY CONTROL SYS		IN FOODS AND THEIR ANALYSIS THODS						
1	Course Title:		Y CONTROL SYSTEM IN FOODS AND THEIR ANALYSIS						
2	Course Code:	VBH5020							
3	Type of Course:	Optional							
4	Level of Course:	Second Cycle							
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	5.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Doç. Dr. ARTUN YIBAR							
15	Course Lecturers:	Yok							
16	Contact information of the Course Coordinator:	Mail: artunyibar@uludag.edu.tr Tel: 02242941359 Adres: Bursa Uludağ Ünv. Veteriner Fak. Besin Hijyeni ve Teknolojisi Anabilim Dalı							
17	Website:	http://saglikbilimleri.uludag.edu.tr							
18	Objective of the Course:	To teach composition of foods, microbiological contamination of foods, methods of chemical, physical, microbiological and sensory analysis of foods, analysis methods of antibiotic and hormone residues, basic principles of food safety management systems.							
19	Contribution of the Course to Professional Development:	It will provide an important competence to veterinarians who will work in the field of food in terms of solutions to problems that may be encountered within the scope of quality control and quality analysis.							
20	Learning Outcomes:								
		1	Composition of foods,						
		2	Microbial contamination of foods,						
		3	Chemical and microbiological analysis of foods						
		4	Physical and sensory analysis of foods						
		5	Methods for determination of residues and contaminants in foods,						
		6	Definition and importance of food safety,						
		7	Management systems for food safety,						
		8	Legal regulations related to food safety,						
		9							
	0 0	10							
21	Course Content:								

	Course Content:										
Week	Theoretical		Р	Practice							
1	Composition of foods		Chemical analyses of foods (protein, ash and lipid analysis)								
2	Chemical and physical analysis of fo	ods	Chemical (moisture, salt and starch) and physical (pH, water activity) analyses of foods								
3	Presence of microorganisms and contamination routes in foods		Yeast and mold counts in foods								
4	Spoilage microorganisms in foods		TAMGC counts in foods								
5	Pathogenic microorganisms causing foodborne diseases	the	Determination of total coliforms in foods								
6	Sampling and preparing for analysis	of foods	D	etermination of E. o	coli in foods						
7	Microbiological analysis techniques		Determination of the counts of total staphylococcus- micrococcus and coagulase-positive S. aureus in foods								
8	Sensory evaluation methods of food	S	M	licrobiological analy	sis of waters by MPN	method					
9	Antibiotic residues and analysis met foods	hods in	Chemical analyses of water								
Activit	es			Number	Total Work Load (hour)						
Theore	r ecimological applications for lood s lical	arety	ľ	14	1.00	14.00					
Practica	als/Labs			14	2.00	28.00					
Self stu	dy and preperation			14	42.00						
Homew	vorks			14	42.00						
Project	Codex		Γ	14	28.00						
Field S	tudies			0	0.00						
Midtern	n exams	,	ľ	0	0.00						
Others				0	0.00	0.00					
Final E	প্রিক্রিerials:		e	/ ilag 7. Oraa kama ∕1, İzmir, 2000.	1.00	1.00					
	/ork Load			,		155.00					
Total w	ork load/ 30 hr		S	das yayıncılık,	, _ 	5.17					
ECTS (Credit of the Course					5.00					
			2011. 5.Topal Ş. Gıda Güvenliği ve Kalite Yönetim Sistemleri TÜBİTAK, Kocaeli, 1996. 6.Karaali, A. Gıda İşletmelerinde HACCP Uygulamaları ve Denetim.T.C. Sağlık Bakanlığı. Ankara, 2003.								
23	Assesment	I	Turner								
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT								
Midtern	n Exam	0	0.00								
Quiz		0	0.00								
Home v	work-project	0	0.00								
Final E	xam	1	100.00								
Total		1	10	00.00							

Contribution of Term (Year) Learning Activities to Success Grade	0.00					
Contribution of Final Exam to Success Grade	100.00					
Total	100.00					
	In order to determine the knowledge and skills of the students in the field of Food Quality Control System and Analysis Methods, the measurement activity is carried out as a final exam in written form.					
24 ECTS / WORK LOAD TABLE						

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