	FOO	D MIC	CROBIOLOGY								
1	Course Title:	FOOD M	IICROBIOLOGY								
2	Course Code:	VET451	7								
3	Type of Course:	Optional									
4	Level of Course:	First Cyc	ole								
5	Year of Study:	4									
6	Semester:	7									
7	ECTS Credits Allocated:	3.00									
8	Theoretical (hour/week):	1.00									
9	Practice (hour/week):	2.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	None									
12	Language:	English									
13	Mode of Delivery:	Face to	face								
14	Course Coordinator:	Prof. Dr.	AYŞEGÜL EYİGÖR								
15	Course Lecturers:	None									
16	Contact information of the Course Coordinator:	phone: 0 adress: 1	aeyigor@uludag.edu.tr 02242941334 : Uludağ University Faculty of Veterinary Medicine ment of Food Hygiene and Technology 16059 Görükle ıs Bursa								
17	Website:	eriner.uludag.edu.tr									
18	Objective of the Course:	To give information on food microbiology applications									
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	Learns about general food microbiology rules.								
		2	Learns laboratory equipment and material used in food microbiology applications.								
		3	Gains knowledge on the analysis of microorganisms important for food.								
		4	Learns media and types of media.								
		5	Lerns ingredients of media, their importance, preparation and the important factors during preparation.								
		6	Learns sterilization types, importance, area of use.								
		7	Learns about sampling in microbiological analysis, homogenization, dilution and incubation.								
		8	Learns basic microbiological analyses and interpretation of their results.								
		9									
		10									
21	Course Content:										
		Co	purse Content:								
Week			Practice								
1	Introduction to course and general information		Introduction to laboratory practices								
2	Food microbiology laboratory: basic rules										

3	Medi	a prepa	arati	on int	trodu	rtion			Pr	esenta	tion of	genera	l lahora	itory ni	ractices	II			
4		a ingre				311011				Presentation of general laboratory practices II  Laboratory equipment: use, preparation, cleaning I									
5		a ingre								Laboratory equipment: use, preparation, cleaning II									
6		a ingre								Wighing media, calculation based on final volume									
7					rena	ration I													
8						ration I				Media preparation I  Media preparation II									
9			•			ration I					•								
10		ization			лора		••			Media preparation III  Media sterilization I									
11		ization									erilizati								
12	Samp		nomo	ogeniz	zatior	n, dilutio	on, pla	ating	Sa	mpling	g from (		t food ty	ypes, h	nomoge	nization	,		
13	Micro	biolog	ical	analy	sis m	ethods	I		Sa	mpling	from (		t food ty	ypes, h	nomoge	nization	,		
14	Micro	Microbiological analysis methods II								Sampling from different food types, homogenization, dilution, plating and incubation III									
22	Textbooks, References and/or Other Materials:									1.Gıda mikrobiyolojisi uygulamaları, Prof Dr. Kadir Halkman, 2005 2. Gıda Hijyeni ve Mikrobiyolojisi, İrfan Erol, 2007 3. Gıdaların mikrobiyolojik analizi, Adnan Ünlütürk, Fulya Turantaş, 2002									
23	Asse	sment																	
	TERM LEARNING ACTIVITIES INLIMBE ACTIVITIES								Numb	er		Dura	ition (		Total Work Load (hour)				
Theore	etical	roioot					0		0.0	1.00						14.00			
Practic										14			2.00			28.00			
Self stu	udy an	d prep	erat	ion			2		1	0.00			2.00			14.00			
Homev										0.00 <u> </u>			0.00			0.00			
Broject	tss Gra	de								 )			0.00			0.00			
Field S	Studies	}								)			0.00			0.00			
Midterr	m exar	ns							10	ხ.00			14.00			14.00			
Others										)			0.00			0.00			
Cionariste	Einals Exams							T	1			20.00			20.00				
Total V	Vork L	oad										!	90.00						
Total work load/ 30 hr														3.00					
ECTS	ECTS Credit of the Course								3.00										
25	,		C	CON	TRIE	BUTIO	N OI				OUTC		S TO I	PROC	GRAM	ME			
	P	Q1 PC	Q2  I	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16		

25		CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS														
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	4	1	4	2	2	1	5	2	1	1	3	1	0	0	0	0
ÖK2	4	1	4	2	2	1	5	2	1	1	3	1	0	0	0	0
ÖK3	4	1	5	2	2	1	5	2	1	1	3	1	0	0	0	0
ÖK4	4	1	4	2	2	1	5	2	1	1	3	1	0	0	0	0

Contrib 1 very low ution Level:				2 low		3 Medium			1	4 Higl	า	5 Very High				
LO: Learning Objectives PQ: Program Qualifications																
ÖK8	4	1	5	2	2	1	5	2	1	1	3	1	0	0	0	0
ÖK7	4	1	5	2	2	1	5	2	1	1	3	1	0	0	0	0
ÖK6	4	1	4	2	2	1	5	2	1	1	3	1	0	0	0	0
ÖK5	4	1	4	2	2	1	5	2	1	1	3	1	0	0	0	0