	BASIC F	FOOD	MICROBIOLOGY							
1	Course Title:	BASIC F	FOOD MICROBIOLOGY							
2	Course Code:	VBH500	1							
3	Type of Course:	Compuls	sory							
4	Level of Course:	Second	Cycle							
5	Year of Study:	1								
6	Semester:	1								
7	ECTS Credits Allocated:	4.00								
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:	Prof. Dr.	AYŞEGÜL EYİGÖR							
15	Course Lecturers:	Yok								
16	Contact information of the Course Coordinator:	e-posta: aeyigor@uludag.edu.tr telefon: 02242941334 adres: Uludağ Üniversitesi Veteriner Fakültesi Besin Hijyeni ve Teknolojisi Anabilim Dalı 16059 Görükle Kampusu Bursa								
17	Website:	http://saglikbilimleri.uludag.edu.tr								
18	Objective of the Course:	To teach students fundamentals of food microbiology								
19	Contribution of the Course to Professional Development:	Learns the impact of basic food microbiology to public and animal health.								
20	Learning Outcomes:									
		1	Learns main Microbes in Foods and their Sources							
		2	Learns normal Microbiological Quality of Foods and its Significance							
		3	Learns Factors Influencing Microbial Growth in Food							
		4	Learns important Factors in Microbial Food Spoilage							
		5	Learns microbial Foodborne Diseases							
		6	Learns about basic food microbiology rules, equipment, materials and media							
		7	Learns basic food microbiology laboratory applications							
		8	Learns main control applications for preventing microorganisms in foods							
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
Week	Theoretical		Practice							
1	Introduction to main microbes in foo		Introduction to food microbiology laboratory							
2	Sources of Microorganisms in Foods		Main equipment and materials used in laboratory I							
3	Normal Microbiological Quality of Foits Significance	ods and	Main equipment and materials used in laboratory II							

4	Microbial Growth Response in the Fo	ood	Solid media preparation							
5	Factors Influencing Microbial Growth	in Food	Liquid media preparation							
6	Beneficial Uses of Microorganisms in	Food	Basic biochemical tests	3						
7	Microorganisms Used in Food Ferme	entation	Sampling from foods I							
8	Microbial Food Spoilage		Sampling from foods II							
9	Important Factors in Microbial Food	Spoilage	Dilution media preparation							
10	Spoilage of Specific Food Groups		Homogenization of soli TAMB and coliforms	d food, dilution and լ	olating for					
11	Microbial Foodborne Diseases		Interpretation of results							
12	Foodborne Intoxications		Liquid food: dilution and	d plating for TAMB a	nd coliforms					
13	Foodborne Infections		Interpretation of results							
14	Control of Microorganisms in Foods		Overview of legal requi	rements for bacteria	I counts					
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 4. Modern Food Microbiology (Jay, James M., Loessner, Martin J., Golden, David A. 7th ed. 2005)							
Activit	Assesment Pes		Number	Duration (hour)	Total Work Load (hour)					
Theore	tical	0	0.00	1.00	14.00					
	als/Labs	<u> </u>	14	2.00	28.00					
Seltse	idy and preperation	1	100.00	5.00	70.00					
Homew			0	0.00	0.00					
Broiest	Sution of Term (Year) Learning Activition	es to	0.00	0.00	0.00					
Field S			0	0.00						
Wichtens	ଆ ଇଧନ୍ଦଜା SFinal Exam to Success Grade	Э	100.00	0.00						
Others			0	0.00						
	xams rement and Evaluation Techniques Us Vork Load	sed in the	Answering problem-bas	2.00 sed questions by sol	tion-based 114.00					
T 24 w	ŒCTS6//3WORK LOAD TABLE				3.80					
ECTS (Credit of the Course				4.00					
25	CONTRIBUTION		RNING OUTCOMES JALIFICATIONS	S TO PROGRAN	IME					

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	5	1	1	4	1	1	2	1	5	2	0	0	0	0	0	0
ÖK2	5	1	1	4	1	1	2	1	5	2	0	0	0	0	0	0
ÖK3	5	1	1	4	1	1	2	1	4	3	0	0	0	0	0	0
ÖK4	5	1	1	4	1	1	2	1	4	3	0	0	0	0	0	0

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