MILK TECHNOLOGY										
1	Course Title:	MILK TE	ECHNOLOGY							
2	Course Code:	GMD3206								
3	Type of Course:	Compuls	sory							
4	Level of Course:	First Cycle								
5	Year of Study:	3								
6	Semester:	6								
7	ECTS Credits Allocated:	3.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	2								
11	Prerequisites:	Non								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Prof. Dr. TÜLAY ÖZCAN								
15	Course Lecturers:	Prof. Dr. Lütfiye YILMAZ-ERSAN								
16	Contact information of the Course Coordinator:	Prof. Dr. Tülay ÖZCAN Bursa Uludag University Faculty of Agriculture Department of Food Engineering 16059 Görükle/Bursa Phone: 0224 2941498 Fax: 0224 2941402 e-mail: tulayozcan@uludag.edu.tr								
17	Website:									
18	Objective of the Course:	The main purpose of this course is informing the students about the formation and the basic principles and concepts about the composition and quality characteristics of milk.								
19	Contribution of the Course to Professional Development:	The course provides students with knowledge about the dairy industry.								
20	Learning Outcomes:									
		1	Informing about formation of milk							
		2	Informing about composition and nutrition properties of milk							
		3	Informing about chemistry and biochemistry of milk							
		4	Informing about milk microbiology							
		5	Informing about quality properties of milk							
		6								
		7								
		8								
		9								
		10								
21	Course Content:		•							
	Course Content:									

Week	Theoretical	ı	Practice						
1	History of Milk , Milk Production in the and Turkey	e World							
2	Formation of Milk								
3	Milk Composition and Factors Affection and Composition of Milk	ng Yield							
4	Properties of the Milks of Various Ani	mals							
5	Physical Properties of Milk								
6	Chemical Properties of Milk								
7	Milk Microbiology								
8	Biochemistry of Milk and Milk Gels								
9	Functional and Antimicrobial Compor Milk and Their Mechanisms	nents of							
10	Hygiene and Sanitation in Dairy Plan	ts							
11	Heating of milk, pasteurization and sterilization methods								
12	Non-Thermal Processing of Milk and	Milk							
Activit	es		Number	Duration (hour)	Total Work Load (hour)				
Theore	tical		14	2.00	28.00				
Practica	als/Labs		14	2.00	28.00				
Self stu	dyaenangeperation	i	Jigdag University Facul	9.99Agriculture Te	œ600 k, No 99,				
Homew	vorks		0	0.00	0.00				
Project	6	ĺ	Pof. Dr. Mustafa Metin	0.00	0.00				
Field St	tudies		0	0.00	0.00				
Midtern	n exams	ו	Daliry Chemistry and Bio	<b>ქნლი</b> რstry (Edited ხ	\$150,000 Fox,				
Others			0	0.00	0.00				
	ASSesment		1	20.00	20.00				
	/ork Load	D I			91.00				
	- CIR 1084/ 30 III	R			3.03				
ECTS (	Credit of the Course	10 10	).00		3.00				
	work-project		0.00						
Final E	<u> </u>		60.00						
Total			100.00						
	ution of Term (Year) Learning Activities Grade	es to 4	40.00						
Contrib	ution of Final Exam to Success Grade	e 6	60.00						
Total			100.00						

Measurement and Evaluation Techniques Used in the Course  24 ECTS / WORK LOAD TABLE							inq app are mid	In this course, teaching models and methods such as inquiry-based learning, argumentation, different lab approaches, problem-based learning, cooperative learning are used. The course is evaluated with 1 homework, 1 midterm, 1 final exam. As a result of the evaluation, success is made in the form of relative evaluation.								
25																
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	4	4	4	5	5	4	5	4	5	5	0	0	0	0	0
ÖK2	5	3	4	3	5	5	4	5	4	5	5	0	0	0	0	0
ÖK3	5	3	3	3	5	5	4	5	4	5	4	0	0	0	0	0
ÖK4	5	3	4	4	5	5	4	5	4	5	5	0	0	0	0	0
ÖK5	5	4	4	4	4	5	4	5	4	5	5	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

4 High

5 Very High

3 Medium

Contrib ution Level:

1 very low

2 low