DAIRY SCIENCE									
1	Course Title:	DAIRY S	SCIENCE						
2	Course Code:	VBH 6013							
3	Type of Course:	Optional							
4	Level of Course:	Third Cycle							
5	Year of Study:	1							
6	Semester:	1							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Prof. Dr. SERAN TEMELLİ							
15	Course Lecturers:	Yok							
16	Contact information of the Course Coordinator:	e-posta: seran@uludag.edu.tr Tel: 02242941260 Adres: Uludağ Üniversitesi Veteriner Fakültesi Besin Hijyeni ve Teknolojisi Anabilim Dalı Görükle							
17	Website:	http://saglikbilimleri.uludag.edu.tr							
18	Objective of the Course:	To teach proteins, carbohydrates, lipids, vitamins, minerals, enzymes, gasses, organic acids, preservative substances in milk, their chemical properties, structures, classifications, metabolism, mechanism of production, contaminants in milk							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Learns formation of milk , composition, importance in nutrition, product in in our country and in the World.						
		2	Learns milking, commingling, transport, transfer to plants.						
		3	Learns importance of somatic cell count in milk.						
		4	Learns phsicochemical properties of milk as acidity, density, freezing point.						
		5	Learns classification of milk fat, chemical structure and properties, importance in nutrition and technology.						
		6	Learns classification of milk proteins, their chemical structure and properties, importance in nutrition and technology.						
		7	Learns classification of milk carbohydrates, their chemical structure and properties, importance in nutrition and technology.						
		8	Learns chemical structure of milk enzymes, classifications, use in milk technology.						
		9 Learns classification of vitamins and minerals, factors effecting their presence in milk.							
		10	Learns antibiotics, drug residues, foreign substances in milk						
21	Course Content:								

	Course Content:											
Week	Theoretical		Ρ	ractice								
	Formation of milk , composition, impo in nutrition, product in in our country a the World.											
	Milking, commingling, transport, trans plants,	sfer to										
	Phsicochemical properties of milk I (c taste, odor, acidity, density)	color,										
-	Phsicochemical properties of milk II (biling point, viscosity, elecrtic impeda redox potential, elektrik geçirgenliği, ı potential)	ince,										
	Milk lipids I (classification of milk fat, structure and properties)	chemical										
	Milk lipids II (milk fat globules, chemic reactions, milk fat constants)	cal										
7	Nitrogen compounds I (classification, chemical structure and properties of c											
	Nitrogen compounds II (precipitation for casein, denaturation of serum pro	methods										
9	Milk carbohydrates I (classification, p of lactose, and chemical interactions)											
	Milk carbohydrates II (lactose fermen and areas used)	tation										
Activit	Milk minorale (factors offecting minor es	ച	1	Number	Total Work Load (hour)							
Th eo re	Mator components in milk (vitamins, i	milk	Γ	14	1.00	14.00						
Practica	als/Labs		<u> </u>	0	0.00	0.00						
Self <u>a</u> stu	Contampreset (initiation of the second second	ues,		14	70.00							
Homew	vorks		<u> </u>	0	0.00							
Project	Textbooks, References and/or Other		1.	∉ox, P.F. and McSwe	eney, P.L.H. Advar	reed Dairy						
Field St				0	0.00	0.00						
Midtern	n exams		2	Metin, M. Süt Teknolo	veqşlenmesi,							
Others	•			0	0.00							
Final E	kams		В	a <mark>l</mark> sım, Selçuk Üniversit	Sil Basımevi, Kony	a, 2001.						
Total W	/ork Load											
Total w	ork load/ 30 hr		5	http:www.gkgm.gov.tr	. Türk Gıda Kodeks	i2.iBgʻili						
ECTS (Credit of the Course					3.00						
23	Assesment											
	EARNING ACTIVITIES	NUMBE R	W	WEIGHT								
Midterm	n Exam	0	0.00									
Quiz		0	0.00									
Home v	work-project	0	0.00									
Final Ex	xam	1	100.00									
Total		1	1	100.00								
Contribution of Term (Year) Learning Activities to Success Grade				0.00								
	ution of Final Exam to Success Grade)	1	100.00								
Contrib												

Measuren	nent ar	nd Eva	luatio	n Tec	hniaue	s Use	d in th	ne								
Course																
24 E	CTS/	CTS / 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 3	PQ14	PQ15	PQ16
ÖK1	1	5	1	2	1	1	1	1	1	1	1	1	0	0	0	0
ÖK2	4	4	4	4	5	1	2	2	1	3	2	5	0	0	0	0
ÖK3	5	3	5	5	4	1	2	2	5	4	3	5	0	0	0	0
ÖK4	3	5	5	4	5	1	2	1	5	2	2	1	0	0	0	0
ÖK5	3	5	5	4	5	1	2	1	5	2	2	1	0	0	0	0
ÖK6	3	5	5	4	5	1	2	1	5	2	2	1	0	0	0	0
ÖK7	3	5	5	4	5	1	2	1	5	2	2	1	0	0	0	0
ÖK8	3	5	5	4	5	1	2	1	5	2	2	1	0	0	0	0
ÖK9	3	5	5	4	5	1	2	1	5	2	2	1	0	0	0	0
ÖK10	4	2	5	5	5	2	3	1	5	4	1	1	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low		3	3 Medium		4 High			5 Very High				