

PRINCIPLES OF FOOD PRESERVATION

1	Course Title:	PRINCIPLES OF FOOD PRESERVATION	
2	Course Code:	VBH 5008	
3	Type of Course:	Compulsory	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	2	
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. FİGEN ÇETİNKAYA	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	e-mail: fcetinkaya@uludag.edu.tr Uludağ Ünv. Veteriner Fak. Besin Hijyeni ve Teknolojisi Anabilim Dalı	
17	Website:		
18	Objective of the Course:	To teach physical, chemical and biological preservation techniques used to prevent food spoilage and to provide the inactivation/inhibition of pathogenic microorganisms which are cause of foodborne diseases	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Classification of food preservation methods
		2	Preservation by heating processes of foods
		3	Canned food technology
		4	Cooling and freezing techniques of foods
		5	Drying and irradiation technologies
		6	Chemical preservation of foods
		7	Smoking technology
		8	Methods of food packaging
		9	
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	

1	Definition and classification of food preservation methods	
2	Preservation by heating processes of foods - pasteurization, UHT sterilization and microwave	
3	Canned food production	
4	Cooling and cold storage of foods	
5	Freezing and frozen storage of foods	
6	Food drying technology	
7	Food irradiation technology	
8	High pressure processing	
9	Chemical methods of food preservation – organic acids and their salts	
10	Chemical methods of food preservation –nitrate and nitrite	
11	Smoking technologies	
Activites		
13	Controlled atmospheric packaging (CAP)	14
Practicals/Labs		0
Self study and preparation		3
14	Vacuum packaging technology	2
Homeworks		2
Projects		0
22	Textbooks, References and/or Other	1
Field Studies		0
Midterm exams		0
Others		0
Final Exams		1
Total Work Load		
Total work load/ 30 hr		
ECTS Credit of the Course		
23	Assesment	
TERM LEARNING ACTIVITIES		
Midterm Exam		0
Quiz		0
Home work-project		2
Final Exam		1
Total		3
Contribution of Term (Year) Learning Activities to Success Grade		10.00

Contribution of Final Exam to Success Grade	90.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	
24	ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	1	1	2	5	1	2	2	5	3	4	0	0	0	0	0	0
ÖK2	2	1	3	5	1	2	2	4	3	5	0	0	0	0	0	0
ÖK3	1	1	2	4	2	2	3	5	2	5	0	0	0	0	0	0
ÖK4	2	1	3	4	2	2	3	5	3	4	0	0	0	0	0	0
ÖK5	1	1	2	5	1	2	2	5	3	4	0	0	0	0	0	0
ÖK6	1	1	2	4	2	2	3	5	2	5	0	0	0	0	0	0
ÖK7	2	1	3	5	1	2	2	4	3	5	0	0	0	0	0	0
ÖK8	1	2	2	4	2	3	2	5	2	4	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							