FOOD AROMA AND AROMA CHEMISTRY									
1	Course Title:	FOOD A	ROMA AND AROMA CHEMISTRY						
2	Course Code:	GMB5030							
3	Type of Course:	Optional							
4	Level of Course:	Second	Cycle						
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	6.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	2							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Doç.Dr. OZAN GÜRBÜZ							
15	Course Lecturers:	Prof. Dr. Duygu GÖÇMEN							
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi Ziraat Fakültesi Gıda Mühendisliği Bölümü 16059 Görükle/Bursa Tel: 0224 2941500 Fax: 0224 2941402 e-posta: ozang@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	 Informing about: food aroma substances, formation of aroma compounds and chemical structures food flavours and interactions with other food constituents aroma analysis understand natural and synthetic flavorings, relationship between structure and odor, relationships between odor and flavour attributes and the volatile, flavour chemistry 							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	The students will be able to interpret the aroma formation						
		2	The students will be able to learn aroma analysis						
		3	The students will be able to explain flavour chemistry and flavour formation						
		4							
		5							
		6							
		7							
		8							
		9 10							
	Course Content:								
21		<u> </u>	ourse Content:						
Wook	Theoretical								
Week Theoretical Practice									

1	Taste perception - Aroma description							
2	Taste perception - Aroma description							
3	Odor perception - Aroma description							
4	Odor perception - Odor Perception by nasal and back of nose	y upper						
5	Taste compounds - Odor Perception nasal and back of nose	by upper						
6	Taste compounds - Tongue mapping							
7	Odor compounds - Flavour extractior techniques	ı						
8	Odor compounds - Flavour extractior techniques	n						
9	Taste theory - Liquid-liquid extraction	1						
10	Odor theory - Liquid-liquid extraction							
11	Aroma compounds present in food -	Solid						
12	Aroma compounds present in food - phase micro extraction	Solid						
13	Formation mechanism of aroma com in food - Instrumental calculation tech							
14	Formation mechanism of aroma com in food -Gas chromatography and ma spectroscopy							
Activit	es		Number	Duration (hour) Total Work				
Theore	tical		Advances of the New M	Replaium. The Roya	lf\$ø9ety			
Practica	als/Labs		0	0.00	0.00			
Self stu	dy and preperation		Berffn/Germany, pp 319	27350	28.00			
Homew	vorks		1	80.00	80.00			
Project	8		0	0.00	0.00			
Field S			0	0.00	0.00			
THE BUY I		NUMBE R	МЕІСНТ	0.00	0.00			
Others			0	0.00	0.00			
Einai E		0	0.00	85.00	85.00			
	Vork Load				235.00			
	vork load/ 30 hr Xam	1	50.00		7.83			
ECTS (Credit of the Course				6.00			
Contribution of Term (Year) Learning Activities to Success Grade			50.00					
Contrib	ution of Final Exam to Success Grade	Э	50.00					
Total			100.00					
Measur Course	rement and Evaluation Techniques Us	sed in the						

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	2	5	4	4	3	2	5	5	2	3	0	0	0	0	0	0
ÖK2	4	2	5	5	3	3	4	1	3	3	0	0	0	0	0	0
ÖK3	3	5	3	5	3	4	4	2	3	5	0	0	0	0	0	0
ÖK4	5	3	3	2	5	3	2	4	4	2	0	0	0	0	0	0
ÖK5	5	4	2	4	5	4	5	4	2	2	0	0	0	0	0	0
ÖK6	4	5	5	3	4	3	3	5	4	4	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	ion			2 Iow	3 Medium		4 High		5 Very High							