S	ECONDARY METABO	LITS / PL	AT MEDICINAL AND AROMATIC								
1	Course Title:	SECONDARY METABOLITS AT MEDICINAL AND AROMATIC PLANTS									
2	Course Code:	TAB 6011									
3	Type of Course:	Optional									
4	Level of Course:	Third Cy	cle								
5	Year of Study:	1									
6	Semester:	1									
7	ECTS Credits Allocated:	5.00	5.00								
8	Theoretical (hour/week):	3.00									
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	-									
12	Language:	Turkish									
13	Mode of Delivery:	Face to t	face								
14	Course Coordinator:	Doç.Dr.	OYA KAÇAR								
15	Course Lecturers:	-									
16	Contact information of the Course Coordinator:	e-posta: okacar@uludag.edu.tr Telefon: 0 224 29 41523 Adres: Uludağ Üniversitesi Ziraat Fakültesi Tarla Bitkileri Bölümü									
17	Website:										
18	Objective of the Course:	The aims of this course can be defined as giving information about the formation of secondary metabolits, variability and properties and explanation of some of the active ingredient analysis at economically important medical and aromatic plants.									
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	De able to know econder plant metabolite abgractoristica								
		2	Be able to chow seconder plant metabolits characteristics								
		-	aromatic plants having economic importance								
		3	Be able to have knowlodge general characteristics of essential oils and analysis methods								
		4	Be able to have knowlodge methods of determinig essential oil compounds and chromatographic methods								
		5	Be able to have knowlodge general characteristics of alkoloids and and analysis methods								
		6	Be able to have knowlodge general characteristics of glycosides and analysis methods								
		7	Be able to have knowlodge methods of determinig hypericin analysis and spectrophotometric methods								
		8									
		9									
		10									
21	Course Content:										
		Co	ourse Content:								
Week	Theoretical		Practice								

1	Secondary Plant Materials and Their Characteristics									
2	Formation of Secondary Metabolits a Medicinal and Aromatic Plants	ıt								
3	Uses of Secondary Substances									
4	Classification of Medicinal and Aroma Plants	atic								
5	Secondary Plant Materials and Their Variability									
6	Essential Oils, General Characteristic Analysis Methods	cs and								
7	Determination of Essential Oil Company and Chromatographic Methods	ounds								
8	Important Medicinal and Aromatic Pla Containing Essential Oil	ants								
9	Alkoloids, General Characteristics ar Analysis Methods	nd								
10	Important Medicinal and Aromatic Pla Containing Alkoloid	ants								
11	Glycosides, General Characteristics Analysis Methods	and								
12	Important Medicinal and Aromatic Pla	ants								
Activites				Number	Duration (hour)	Total Work Load (hour)				
Theore				14	3.00	42.00				
Practica	als/Labs			0	0.00	0.00				
Selfastu	ተራምውፅፅкቄዮም መቀምፅስር es and/or Other		1.	JULIA F. MORTON, C	HARLES C THOM	vs <sup>o</sup> Major				
Homew	vorks			5	15.00	75.00				
Project	6		2	₿EYLAN, A., Tıbbi Bit	ଐ୫ <sup>0_</sup> II (Uçucu Yağ	Ɓ₽kileri), E.Ü.,				
Field S	tudies			0	0.00	0.00				
Midtern	n exams		3 CEYLAN, A. İlaç bitkile9i-90, Ayhan CeylarQege							
Others				2	6.00	12.00				
Final E	xams			1	20.00	20.00				
Total W	/ork Load					156.00				
Total w	ork load/ 30 hr		С	onference, Istanbul, 19	93.	5.20				
ECTS (	Credit of the Course					5.00				
			Türkan). Bitki Fizyolojisi. Palme Yayınları:455 (ISBN 978- 9944-341-61-5). Ankara, 2008, 690 s. 6.Tedavide Kullanılan Bitkiler "FFD Monografları". Editör (Prof. Dr. Ömürdemirezer), (ISBN 975-567-045-4).Ankara, 2007, 320 s.							
23	Assesment									
TERM L	EARNING ACTIVITIES	NUMBE R	W	EIGHT						
Midtern	n Exam	0	0.00							
Quiz		0	0.	00						
Home	work-project	5	50	0.00						
Final E	xam	1	50	0.00						
			00.00							

Total		6	100.00						
Contribution of Term (Year) Learning Activities to Success Grade			50.00						
Contribution	n of Final Exam to Success Grade	9	50.00						
Total			100.00						
Measureme Course	ent and Evaluation Techniques Us	sed in the							
24 EC	24 ECTS / WORK LOAD TABLE								
25	CONTRIBUTION	RNING OUTCOMES TO PROGRAMME JALIFICATIONS							

	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	4	3	4	4	3	4	4	4	5	4	0	0	0	0	0	0
ÖK2	4	4	4	4	3	4	4	4	4	0	0	0	0	0	0	0
ÖK3	5	4	4	4	3	4	4	3	4	4	0	0	0	0	0	0
ÖK4	5	4	4	4	4	5	5	4	5	4	0	0	0	0	0	0
ÖK5	5	4	4	4	4	5	5	5	5	4	0	0	0	0	0	0
ÖK6	3	4	3	4	3	4	4	4	4	4	0	0	0	0	0	0
ÖK7	4	4	3	4	3	4	4	4	4	4	0	0	0	0	0	0
			LO: L	earr	ning (	Dbjec	tive	s P	Q: P	rogra	im Qu	alifica	tions	; ;		
Contrib ution Level:	1 very low				2 low			3 Medium			4 High			5 Very High		