		PALY	NOLOGY						
1	Course Title:	PALYNO	DLOGY						
2	Course Code:	ORMS210							
3	Type of Course:	Optional							
4	Level of Course:	Short Cycle							
5	Year of Study:	2							
6	Semester:	4							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	-							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Öğr.Gör. SİNAN BABAYİĞİT							
15	Course Lecturers:	Prof. Dr. Adem BIÇAKÇI							
16	Contact information of the Course Coordinator:	Öğretim Görevlisi Sinan BABAYİĞİY Uludağ Üniversitesi Büyükorhan Meslek Yüksekokulu, Orhan Mah., Dr. İbrahim Öktem Cad., No: 28, 16990 Büyükorhan/Bursa. Telefon : +90 (224) 8412439 Faks: +90 (224) 8412440 E-mail:sbabayigit@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	The aim of the course is to make the students learn the pollen and spore morphology in the basic of palynology and to apply the information, they learn in basic palynology, to the fields of other related with the palynology. The goals of the course are to inform the pollen and spore to the students and to use in applying palynology.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	To understand the formation of pollen and spores						
		2	To understand the morphological properties that are using in identification of pollen grains and spores						
		3	To identificate pollen and spores of different taxa by morphological properties						
			To apply basic palynological information on practical palynology						
		5	To apply palynological informations to plant systematics						
		6	To apply some methods for melitopalinological analysis						
		7	To apply some methods for collecting atmospheric pollen						
		8	To know the factors that threaten the health of workers						
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
	Theoretical		Practice						

1	Palynological definition and history. Palynology contributed sciences. Stu of palinology in thre plant kingdom	dy areas							
2	Formation of spore and pollen. Poller sporoderm, structure.	n types,							
3	Sculpture - Ornamentation								
4	Aperture: Place of pollen grains on th Classification of pollen grains accordi apertures. Important features of aper systematics.	ing to							
5	Measurements and shape of pollen a spores. Spore morphology. Intine. Ch structure of intine and exine								
6	Features of Gymnospermae pollen a morphology of Gymnospermae poller								
7	Features of Angiospermae pollen and morphology of Angiospermae pollen	b							
8	Repeating courses and midterm exar	n							
9	Contribution of palynology to plant systematics								
10	Evaluation of articles on pollen morph	nology							
11	Melitopalynology: pollen analysis of h importance and analysis of bee colled pollen grains								
12	Aeropalynology: Amounts of pollen p								
Activi		anno		lumber	Duration (hour)	Load (hour)			
	pollen analysis and importance of pre Pical regional pollen calendars	,	14	4	2.00	28.00			
	cals/Labs	ny ond	0		0.00	0.00			
	pollen, fosil pollen sources, Quaterna	liy anu Ivsis in	14	4	2.00	28.00			
Home			0		0.00	0.00			
	to Laxbooks Potoropcos and/or Other		-	ICAKCI Palinalaii C	0.00 ors Notlari	0.00			
Field S			0		0.00	0.00			
	Assessment		1		14.00	14.00			
Others		ĸ	0		0.00	0.00			
	m Evam	1	4	0	20.00	20.00			
	Nork Load	0		<i>,</i>		90.00			
Total v	vork load/ 30 hr	0		<u>ר</u>		3.00			
	Credit of the Course		100.0	0		3.00			
Total		2	100	.00					
Contribution of Term (Year) Learning Activities to Success Grade			40.0	00					
Contrib	oution of Final Exam to Success Grade	9	60.00						
Total			100.00						
Measu Course	rement and Evaluation Techniques Us								
24	ECTS / 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	5	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	5	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	5	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	2	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
ÖK6	2	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
ÖK7	2	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
ÖK8	2	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
		l	LO: L	.earr	ning C	Dbjec	tive	s P	Q: P	rogra	ım Qu	alifica	tions	5		
Contrib 1 very lo ution Level:			ow		2 low		3 Medium			4 High			5 Very High			