	RADIOV	VAVE	PROPAGATION					
1	Course Title:	RADIOW	AVE PROPAGATION					
2	Course Code:	EEM4212						
3	Type of Course:	Optional						
4	Level of Course:	First Cyc	le					
5	Year of Study:	4						
6	Semester:	8						
7	ECTS Credits Allocated:	4.00						
8	Theoretical (hour/week):	3.00						
9	Practice (hour/week):	0.00						
10	Laboratory (hour/week):	0						
11	Prerequisites:	None						
12	Language:	Turkish						
13	Mode of Delivery:	Face to f	ace					
14	Course Coordinator:	Öğr. Gör	. Dr. SEVİM KURTULDU					
15	Course Lecturers:							
16	Contact information of the Course Coordinator:	0 224 2942021 kurtuldu@uludag.edu.tr						
17	Website:							
18	Objective of the Course:	Investigation of radiowave propagation over ground. Investigation of Electromagnetic spectrum. Investigation of the radio propagation frequency bands. Radio wave propagation analysis of the international standards.						
19	Contribution of the Course to Professional Development:	1Ability to use radio wave propagation analyze in advanced research2. Ability to analyze radio wave propagation						
20	Learning Outcomes:							
		1	Ability to use radio wave propagation analyze in advanced research.					
		2	Ability to analyze radio wave propagation.					
		3						
		4						
		5						
		6						
		7						
		8						
		9						
		10						
21	Course Content:							
		Co	urse Content:					
	Theoretical		Practice					
1	Electromagnetic spectrum.							
2	International and national regulatory and organizations engaged in radio v propagation.							
3	ULF, ELF bands.							
4	VLF, LF bands.							

5	MF	HF ۲	ands															
6		HF bands. F, UHF bands.																
7		HF, EHF bands.																
8		R, visible bands.																
9				ima ba	ands													
10			-			oropaga	ation											
11			-					ากร										
12		mmunication systems and applications.																
13		Communication systems and applications.																
14		Communication systems and applications.																
22	Textbooks, References and/or Other Materials:								Co	1. "Radiowave Propagation and Antennas for Personal Communications", Kazimierz Siwiak, Artech House Antennas and Propagation Library, April,1998.								
										 "Introduction to RF Propagation", John S. Seybold, John Wiley&Sons Inc., 2005. 								
23	Asse								_									
TERM L	LEARI	NING		VITIES			N F		WE	EIGHT								
Midterr	n Exa	am					1		20	20.00								
Quiz							C)	0.0	0.00								
Home	work-	proie	ect				1		20	.00								
Activit	Activites								Number Duration (hour)						Total Work Load (hour)			
FREtrie	Hitign	of T	erm (`	Year)	_earn	ing Act	ivities	to	40	40190 3.00 42.					42.00			
	Success Grade Practicals/Labs								0				0.00			0.00		
Self sti	Self study and preperation								ŢΫ́,	14				3.00			42.00	
Homew	Homeworks								, Į	1				14.00			14.00	
	Measurement and Evaluation Techniques Used in the								Me	Measurement and evaluation are performed according to							ng to	
Course Field Studies													<u>rsa Lii</u>	0.00				
								ŀ	1			2.00	2.00			2.00		
Others	Others								(0			0.00	0.00			0.00	
Final E	Exams								ŀ	1					6.00			
Total V	al Work Load															120.00		
Total w	Total work load/ 30 hr														4.00			
ECTS	ECTS Credit of the Course																4.00	
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	I	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7 I	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	Ę	5	5	0	0	0	0	0 0)	0	0	0	0	0	0	0	0	
ÖK2	Ę	5	5	0	0	0	0	0 ()	0	0	0	0	0	0	0	0	
			l	0: L	earr	ning C	bjed	tives	F	Q: P	rogra	im Qu	alifica	tions	S		-	
Contr ution Leve	on				2 low	-	1		edium 4 High				5 Very High					