	WAVELET TRANSFO	ORM A	ND MULTI SCALE ANALYSIS							
1	Course Title:	WAVELET TRANSFORM AND MULTI SCALE ANALYSIS								
2	Course Code:	EEM4436								
3	Type of Course:	Optional								
4	Level of Course:	First Cyc	sle							
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:									
12	Language:	Turkish								
13	Mode of Delivery:	Face to	face							
14	Course Coordinator:	Prof. Dr.	Ahmet Emir DİRİK							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	edirik@uludag.edu.tr								
17	Website:									
18	Objective of the Course:	The main objectives of the course are as follows:								
		Analysis	ide advanced knowledge of Wavelets and Multiscale s fundamentals.							
		To develop advanced skills and competency in Wavelets and Multiscale Analysis discipline.								
		To apply these skills to the full spectrum of complex Wavelets and Multiscale Analysis problems, through independent research and investigation. To develop the students' transferable skills including communical (oral, written and aural), time and project management.								
19	Contribution of the Course to Professional Development:	To be able to follow innovations and apply them in the field by using the competence of collecting information, researching and analyzing them.								
20	Learning Outcomes:									
		1	Gain sufficient knowledge on Wavelets and Multiscale Analysis field; the ability to model and solve pattern recognition problems using theoretical and practical knowledge.							
		2	Gain the ability to identify, model, and solve complex Wavelets and Multiscale Analysis problems; the ability to select and apply appropriate analysis and modeling methods for these problems.							
		3								
		4	Gain the ability to develop, select, and use modern							
			techniques and tools necessary for Wavelets and Multiscale Analysis applications; the ability to use information technologies in an efficient way.							
		5	Multiscale Analysis applications; the ability to use							

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21	Cou	rse C	Conter	nt:														
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2	Wav	/elets	3															
3	Sign	nal Sp	oaces						Т									
4	Sign	nal Ba	ases a	and Fra	ames													
5	Wav	elet	transf	orms					Т									
6	Con	tinuo	us tim	ne wav	elet t	ransfor	ms											
7	Con	tinuo	us tim	ne wav	elet s	eries												
8	MID	TERI	M EXA	AM an	d Cou	urse Re	eview											
9			time v		t tran	sforms	and											
10	Stati	ionar	y-time	wave	elet tra	ansforn	ns											
11	Wav	/elet	Packe	ets														
12	Wav	elet l	based	l syste	m de	sign												
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25				CON	TRIE	BUTIC	N O	F LEA	ARN	IING	OUT	COME	s TO	PRO	GRAM	ME		
	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
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