

DIGITAL SIGNAL PROCESSING APPLICATIONS

1	Course Title:	DIGITAL SIGNAL PROCESSING APPLICATIONS
2	Course Code:	EEM4434
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	4
6	Semester:	8
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	2
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. ERSEN YILMAZ
15	Course Lecturers:	Prof. Dr. Erdoğan Dilaveroğlu
16	Contact information of the Course Coordinator:	Doç. Dr. Ersen Yılmaz E-mail:ersen@uludag.edu.tr Phone: (224) 294 2032 Address: Elektronik Mühendisliği Bölümü 4. Kat, No:431
17	Website:	
18	Objective of the Course:	Using the fundamental tools and techniques of digital signal processing, to realize the solutions of important problems in the Matlab and to enable students to use Matlab efficiently as a tool.
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	To be able to model and solve digital signal processing problems using theoretical and practical knowledge
	2	Gain the ability to design and conduct complex experiments and to collect, analyze and interpret data for digital signal processing engineering problems
	3	Attain the ability to design partly or fully for a complex digital signal processing system, process meeting specific requirements under realistic constraints and conditions.
	4	To be able to develop, select, and use modern techniques and tools efficiently using information technologies for digital signal processing applications
	5	Gain the ability to identify, model, and solve complex engineering problems to select and apply appropriate analysis and modelling methods for digital signal processing problems.
	6	
	7	
	8	
	9	
	10	
21	Course Content:	

ÖK3	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			