ADVANCED PROGRAMMING										
1	Course Title:	ADVANCED PROGRAMMING								
2	Course Code:	EEM4115								
3	Type of Course:	Optional								
4	Level of Course:	First Cycle								
5	Year of Study:	4								
6	Semester:	7								
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 face								
14	Course Coordinator:	Prof. Dr. FAHRİ VATANSEVER								
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	Adres: Elektrik-Elektronik Mühendisliği bölümü, No:311 Tel: (224) 294 09 05 Web: http://home.uludag.edu.tr/~fahriv E-posta:fahriv@uludag.edu.tr								
17	Website:	http://home.uludag.edu.tr/~fahriv								
18	Objective of the Course:	To gain ability to develop special software for application areas with using advanced programming technique after becoming expert on certain high-level programming language (Visual Basic, Delphi, Java or Python)								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	To gain ability developing advanced software							
		2	To gain ability to develop select and use modern techniques and equipment necessary for engineering applications							
			To gain ability to use information technology in efficient way							
		4	To gain ability to simulate with developing advanced software for investigating engineering problems							
		5	To gain ability to collect data, analysis result and interpret results with developing advanced software for investigating engineering problems							
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
	Theoretical		Practice							
1	High-level programming, object orier programming, programming languag									

2	Characters, operators, operations, da and Casting among these types in programming language	ata types								
3	Decision and loop structures comma applications	nds and								
4	Numeric, alphanumeric, graphical, sy commands and applications	ystem								
5	Forms, properties and events. Samp applications	le								
6	Standard components (objects), prop and events, sample applications	perties								
7	System components, properties, eve applications	ents and								
8	Midterm Exam + General review									
9	Multimedia components, properties, and applications	events								
10	Dialog box, dialogs components, pro events and applications	perties,								
11	Operating system, Office application: components, properties, events and applications	s, report								
12	Network components, properties eve applications									
13	Database components, properties, e and applications	vents								
Activi	tes			Number	Duration (hour)	Total Work Load (hour)				
Theore	tical		2	Lischner, R., Delphi ir	3.00 a Nutshell (In a Ni	42.00 itshell				
Practic	als/Labs			0	0.00	0.00				
Self stu	dy and preperation			1 denece, <i>X.,</i> Deipin K 04.	3.00	42.00				
Homew	vorks			0	0.00	0.00				
Project	ts		5	5 Barrow, J., Introducing Delphi Programming? Theory						
Field S	Studies			0	0.00	0.00				
Midter	n exams			1	16.00	16.00				
Others				0	0.00	0.00				
FERME	LEARNING ACTIVITIES	NUMBE	W	<b>Ĕ</b> IGHT	20.00	20.00				
	Vork Load	<b>.</b>				120.00				
Total work load/ 30 hr				00		4.00				
ECTS Credit of the Course				00		4.00				
Final E		60.00								
Total		1(	100.00							
Contribution of Term (Year) Learning Activities to Success Grade				40.00						
Contrib	oution of Final Exam to Success Grade	e	60.00							
Total			1(	100.00						
Measu Course	rement and Evaluation Techniques Us									
24	ECTS / WORK LOAD TABLE									
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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	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 Iow		3	Medi	um		4 Hig	h		5 Ver	y High		