		SIMU	JLATION						
1	Course Title:	SIMULA	TION						
2	Course Code:	EKO430	1						
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	cle						
5	Year of Study:	4							
6	Semester:	7							
7	ECTS Credits Allocated:	7.00							
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 f	face						
14	Course Coordinator:	Doç. Dr.	ARZU EREN ŞENARAS						
15	Course Lecturers:	Doç.Dr.∖	/.Sinem Arıkan Kargı						
16	Contact information of the Course Coordinator:	Uludağ l	n@uludag.edu.tr University Faculty of Economics and Administrative s A Block 16059 Nilüfer/Bursa						
17	Website:								
18	Objective of the Course:		in various simulation solution models and to enable them to nulation models.						
19	Contribution of the Course to Professional Development:		g simulation programs, it becomes easier to solve, analyze ign the system problem.						
20	Learning Outcomes:								
		1	To be able to apply the basic principles of simulation studies.						
		2	To be able to establish and interpret simulation models for different systems						
		3	To be able to apply Monte Carlo Simulation in MS Excel						
		4	To be able to develop a simulation model with Micro Saint Sharp						
		5	To be able to create activity cycle diagrams						
		6	To be able to apply simulations by hand						
		7							
		8							
		9							
		10							
21	Course Content:								
1.07		Co	ourse Content:						
	Theoretical	1 - !'	Practice						
1	Basic Concepts of Simulation and M Simulation Definition, Advantages ar Disadvantages of Simulation, Applica Areas, System and System Environm System Elements, Discrete and Con Systems	nd ation nent,							

2	Clas	cept of ssificati tinuous os of Si	on o	f Simulation	ulation h Sim	n Mode	els,											
3	Mor Sim Sim	damen ite Carl ulation ulation ulation	lo Sir in M	mulati S Exc	on: F el, S	undam tructur	entals e of	of	1									
4	Disc	rete E	vent	Simul	ation													
5	Time	e Slicin	g, N	ext Ev	/ent T	echnic	que											
6		ulation nt Shar				ment w	vith Mi	cro										
7	Exa	mple in	MS	S Pro	gram													
8	Acti	vity Cy	cle C	harts														
9	Thre	e-Pha	se A	pproa	ch				Т									
10	Basics of Manual Simulation, Example of manual simulation																	
11		Random sampling in discrete event simulation																
12	Ran	Random Number Generators																
13		Reversion, Rejection, Composition, Transformation, Warm-up period																
14		lel Validitv. W																
Activit	tes									Numl	oer		Dura	ation (hour)	Total V Load (
Theore	elical	esmen	ŀ						7.4	14	aomac	BONZO	3.00	оа. <u>Е</u> к	in rayi	42.00		
Practic	1, 100									0			0.00			0.00		
Self stu	udy a	nd pre	oerat	tion			R	<u> </u>		0			0.00			0.00		
Homev	works									1			50.00)		50.00		
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Others										0			0.00					
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Total V	Total Work Load																	
Total w	Total work load/ 30 hr							01	00.00						7.07			
ECTS Credit of the Course															7.00			
Measu Course		nt and	Eval	uatior	Tec	hnique	s Use	d in th	е Н	omewo	ork, mid	dterm a	nd final	exam				
24	EC	TS / V	VOF	RK L	OAD	TAB	LE											
25	,		(CON	TRIE	BUTIC	N OI				OUT		S TO I	PROC	GRAM	IME		
		PQ1 P	Q2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	
											١٨			2				

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	3	2	3	3	3	3	3	4	1	2	3	3	0	0	0	0
ÖK2	2	3	4	3	2	3	4	2	3	3	3	3	0	0	0	0
ÖK3	3	4	4	3	3	3	2	3	3	3	4	3	0	0	0	0

ÖK4	4	2	3	3	3	4	2	4	3	3	2	3	0	0	0	0
ÖK5	3	3	2	4	3	3	3	3	3	3	3	4	0	0	0	0
ÖK6	2	2	3	3	2	2	3	2	3	3	2	2	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low			3 Medium			4 High			5 Very High				