	SYSTEMS AN	IALYS	IS AND ENGINEERING						
1	Course Title:	SYSTEM	IS ANALYSIS AND ENGINEERING						
2	Course Code:	END3061							
3	Type of Course:	Compulsory							
4	Level of Course:	First Cycle							
5	Year of Study:	3							
6	Semester:	5							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
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:	Doç. Dr. ASLI AKSOY							
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	tasliaksoy@uludag.edu.tr Tel: 0224 294 2078 Endüstri Mühendisliği Bölüm, Mühendislik Mimarlık Fakültesi Uludağ Üniversitesi, Görükle, Bursa							
47	Website:	http://endustri.uludag.edu.tr/~orbak/END3061.html							
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17	Objective of the Course:	To providengineer	de students the systematic methods that generate effective ring solutions and to introduce the students the systems ring approach that is used to develop new products or						
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18	Objective of the Course: Contribution of the Course to	To provid engineer engineer	de students the systematic methods that generate effective ing solutions and to introduce the students the systems ing approach that is used to develop new products or						
18	Objective of the Course: Contribution of the Course to Professional Development:	To provid engineer engineer	de students the systematic methods that generate effective ing solutions and to introduce the students the systems ing approach that is used to develop new products or						
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18	Objective of the Course: Contribution of the Course to Professional Development:	To provid engineer engineer processe 1	Understand the principles and tools of systems analysis and design.						
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18	Objective of the Course: Contribution of the Course to Professional Development:	To provid engineer processe 1 2 3	Understand the principles and tools of systems analysis and design. Summarize the causes of a systems failure. Solve a wide range of problems related to the analysis,						
18	Objective of the Course: Contribution of the Course to Professional Development:	To provid engineer processe 1 2 3 4	Understand the principles and tools of systems analysis and design. Summarize the characteristics of the systems engineering approach. Analyze the causes of a systems failure. Solve a wide range of problems related to the analysis, design and construction of information systems. Plan and undertake a major group project, prepare and deliver coherent and structured verbal and written						
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18 19 20	Objective of the Course: Contribution of the Course to Professional Development: Learning Outcomes:	To provid engineer processe 1 1 2 3 4 5 5 6 7 8 8 9 10	Understand the principles and tools of systems analysis and design. Summarize the characteristics of the systems engineering approach. Analyze the causes of a systems failure. Solve a wide range of problems related to the analysis, design and construction of information systems. Plan and undertake a major group project, prepare and deliver coherent and structured verbal and written						

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22	Textbooks, References and/o Materials:	r Other	E 1 D S P R	Blanchard, B.S., and W.J. Fabrycky, "Systems Engineering and Analysis", 3rd edition, Prentice Hall, 1998. Daellenbach, H.G., and McNickle, D.C., 'Management Science: Decision making throgh systems thinking', Palgrave Macmillan, 2005. Ribbens, J.A., "Simultaneous Engineering for New Product Development. Manufacturing Applications", Wiley, 2000.							
Activi	tes			Number Duration (hour) Total W Load (h							
Theore	tical		N	afagement", McGraw	2 i0,01983.	28.00					
Practic	als/Labs			0.00 0.00							
Self st	dy and preperation		H	Hazzelrigg, G.A., "Systems for gineering: An Apprograch to							
Home	vorks			0	0.00 0.00						
Projec	t6		Ρ	r ę ntice Hall, 2002.	18.00	18.00					
Field S				0	0.00	0.00					
Midter	T EXAMS	NUMBE	N	1 EIGHT	2.00	2.00					
Others				0	0.00	0.00					
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	Vork Load	4		0.00		89.00					
	workhoetelieso hr	1	2	0.00		2.97					
	Credit of the Course	2	11	00.00		3.00					
Total	oution of Term (Veer) Learning	3	_	100.00							
Contribution of Term (Year) Learning Activities to Success Grade				40.00							
Contrik	oution of Final Exam to Succes	s Grade	_	60.00							
Total			1	100.00							
Measu Course	rement and Evaluation Technic	ues Used in the	÷								
24	ECTS / WORK LOAD TA	ABLE	_								

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	5	0	4	0	0	0	5	0	0	0	5	0	0	0	0	0
ÖK2	5	5	4	5	3	0	0	0	5	0	0	5	0	4	5	0
ÖK3	0	5	5	0	0	0	5	5	4	5	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	5	5	0	0	5	0	0	0
ÖK5	0	0	5	4	5	5	4	5	5	0	0	0	5	0	5	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	ution					3 Medium			4 High			5 Very High				