	INTRODUCTION	TO EN	IGINEERING ECONOMICS						
1	Course Title:	INTROD	UCTION TO ENGINEERING ECONOMICS						
2	Course Code:	END307	2						
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	cle						
5	Year of Study:	2							
6	Semester:	3							
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:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Doç.Dr.	TURAN ARSLAN						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	arsltur@ 0 224 29	uludag.edu.tr 04 2639						
17	Website:	http://ins	aat.uludag.edu.tr/						
18	Objective of the Course:	the appli economi	duce the general principles of engineering economics and lication of economic analysis techniques for analyzing the lics of alternatives considering costs and benefits of civil ering projects						
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Be able to understand the basic principles of economy						
		2	Be able to understand the basic concepts of engineering economics						
		3	Be able to define and present projects' costs and benefits on a cash flow diagram						
		4	Be able to compare projects using economic analysis techniques						
		5	Be able to prepare the feasibility report						
		6							
		7							
		8							
		9							
	Course Combont	10							
21	Course Content:		ourse Content						
\\\a_a\r	Theoretical	Co	ourse Content:						
vveek 1	Theoretical Importance of Engineering Economy Basic Concepts	and	Practice						
2	Costs-Benefits Concepts								
3	Time Value of Money								
4	Cash Flow Diagram								
	Cash Flow Diagram								

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6			Factor																		
7			tion F																		
8				nalysis																	
9	•																				
	10 Equivalent Annual Cost Methods																				
11	11 Profitability Index, Rate of Return and Payback Period Methods																				
12	Con	nparii	ng Alte	ernativ	es_																
13	Renewal Projects																				
14 Preparing Economic Feasibility Report																					
Textbooks, References and/or Other Materials:								-Er	-Mühendislik Ekonomisi, Alim Işık, Birsen Yayınevi -Engineering Economy, McGraw-Hill, Leland Blank and Anthony Tarquin												
23	Ass	esme	ent																		
TERM L	RM LEARNING ACTIVITIES NUMB								WE	WEIGHT											
Midtern	erm Exam 1							40	40.00												
Quiz	0							0.0	0.00												
Home v	work	-proje	ect				0		0.0	0.00											
	Activites								Number Duration (ho						r) Total Work Load (hour)						
Succes	ss Gr etical	ade							1	14			2.00			28.00					
Practic						_			()			0.00			0.00					
Sela stu			epera	tion						<u>9.00</u>			0.00			0.00					
Homew			оро							14			4.00			56.00					
Pourse	fe)			0.00			0.00					
	Field Studies								()			0.00			0.00					
	Midterm exams									1			2.00			2.00					
Others)			0.00			0.00					
Final E	Final Exams									1			2.00			2.00					
Total Work Load														88.00							
Total work load/ 30 hr														2.93							
ECTS Credit of the Course								3.00													
25				CON	TRIE	BUTIC	N OI				OUTC		S TO I	PROC	BRAM	ME					
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6						PQ12	PQ1	PQ14	PQ15	PQ16				
										1							,_				
ÖK1											0			3							

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	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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