	СО	NTRO	L SYSTEMS							
1	Course Title:	CONTROL SYSTEMS								
2	Course Code:	MKRZ20	03							
3	Type of Course:	Compuls	sory							
4	Level of Course:	Short Cy	rcle							
5	Year of Study:	2								
6	Semester:	3								
7	ECTS Credits Allocated:	3.00	3.00							
8	Theoretical (hour/week):	2.00	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:	Öğr.Gör.	ÖMER NURİ ÇAM							
15	Course Lecturers:	ÖĞR. G	ÖR. ÖMER NURİ ÇAM							
16	Contact information of the Course Coordinator:	onc@ulu	onc@uludag.edu.tr							
17	Website:									
18	Objective of the Course:	Teach the operation of automatic control systems in the technological field, which provides an understanding of the functions of automatic control systems to gain knowledge and skills, to teach the control systems and transfer functions of these systems, industrial inspection bodies to introduce								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Automatic Control of the basic concepts and definitions related to the system dynamics and automatic control subjects used in the analysis of mathematical properties of the Laplace transform							
		2	Automatic control systems, defining the characteristics of input-output transfer functions and block diagrams to make enough practice on these issues and the adequacy of removal of							
		3	Shows the input face of a certain temporary and permanent systems achieve the required behavior and the situation in this regard concepts							
		4	Automatic control systems that constitute the brain control the structure of organs, the basic control (PID), and their working styles and forms of application possibilities of industrial control systems							
		5	Stability control systems;							

		6		Measuring organ, organ of control of the system and control concepts							
		7	Modern and contemporary issues and gain the ability to learn.								
		8									
		9									
		10	Т								
21	Course Content:	•									
	Course Content:										
Week	Theoretical		Pı	Practice							
1	Classification of linear control system	าร	Т								
2	element, comprising a control system	1									
3	Some important linear control system	าร									
4	Basic open control systems										
5	basic feedback control systems										
6	transfer functions										
7	mid exam		Т								
8	Reducing and analyzing Transfer Fu	nctions									
Activit				Number	Duration (hour)	Total Work Load (hour)					
Th let bre	@arivative Control		П	14	2.00	28.00					
Practica	als/Labs			0	0.00	0.00					
Selfsty dynalication states				14	2.00	28.00					
Homew	vorks			0	0.00	0.00					
Project	Tevthooks References and/or Other		1.	0 Vijksel İ. Automatic Co	0.00 ntrol System Dyna	0,00 mics and					
Field S	tudies			0	0.00	0.00					
Midtern	n exams		ľ	Zdaş N, Dinibütün T, Itomatic Control Birse	A以为ORS A, Four	dations of					
Others				0	0.00	0.00					
Final E	kams		Î _A	genjamin C. KUO Trar utomatic Control Syste	slated by: Prof. Dr.	AWIBBIR,					
Total W	/ork Load					120.00					
Total w	ork load/ 30 hr		A	naiysis, and Control יָם R.T. Stefani. B. Shahia	namic Systems, n. C.J.Savant. G. F	3,47 Hostetter					
ECTS (Credit of the Course					3.00					
			• /	• Automatic Control Systems I", M Kemal Sarıoğlu, 1999, Birsen Yayınevi							
23	Assesment										
TERM L	EARNING ACTIVITIES	NUMBE R	W	EIGHT							
Midtern	1	40	40.00								
Quiz		0	_	0.00							
Home work-project (+-	0.00							
Final Exam			_	60.00							
Total		2	100.00								
Contrib	ution of Term (Year) Learning Activition		+	0.00							
	s Grade										

Contribution of Final Exam to Success Grade							60	60.00								
Total							10	100.00								
Measurement and Evaluation Techniques Used in the Course								ne								
24	ECTS	/ WO	RK L	OAD	TAB	LE										
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																
	PQ	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	1	1	1	2	4	4	4	1	2	2	4	0	0	0	0	0
ÖK2	1	1	1	2	4	4	4	1	2	2	4	0	0	0	0	0
ÖK3	1	1	1	2	4	4	4	1	2	2	4	0	0	0	0	0
ÖK4	1	1	1	2	4	4	4	2	2	2	4	0	0	0	0	0
ÖK5	1	1	1	2	4	4	4	2	2	2	4	0	0	0	0	0
ÖK6	2	1	2	2	3	4	4	2	1	2	3	0	0	0	0	0
ÖK7	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contr	very	low	2 low			3	3 Medium		4 High			5 Very High				

ution Level: