

FORMAL LANGUAGES AND AUTOMATA

1	Course Title:	FORMAL LANGUAGES AND AUTOMATA	
2	Course Code:	BM204	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	4	
7	ECTS Credits Allocated:	5.00	
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:	Dr. Öğr. Üyesi GIYASETTİN ÖZCAN	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Bilgisayar Müh. Bölüm Binası, 1. kat, oda 107 Tel.:+90 (224) 294 2792 email: gozcan at uludag.edu.tr	
17	Website:		
18	Objective of the Course:	Comprehension of formal languages and vending machines, comprehension of which language cluster the problem belongs Lex and syntax analysis, comprehension of complexity	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Ability to understand formal language
		2	Understanding of theoretical concepts
		3	Lex and syntax analysis skills
		4	Ability to understand computational complexity
		5	Ability to grasp the Turing Machine in every direction
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		10	
21	Course Content:		
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Week	Theoretical	Practice	
1	Languages, DFA		
2	Regular Languages		
3	Non Determinism		
4	Properties of Regular Languages, regular expressions		
5	pumping lemma for regular languages		

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