ALGORITHMS AND INTRODUCTION TO PROGRAM										
1	Course Title:	ALGORI	THMS AND INTRODUCTION TO PROGRAM							
2	Course Code:	ELNS20	1							
3	Type of Course:	Optional								
4	Level of Course:	Short Cy	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	0							
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	face							
14	Course Coordinator:	Öğr.Gör.	BASRİ KUL							
15	Course Lecturers:	Meslek Y elemanla	/üksekokulları Yönetim Kurullarının görevlendirdiği öğretim arı.							
16	Contact information of the Course Coordinator:	basrikul@uludag.edu.tr (224)2942380								
17	Website:									
18	Objective of the Course:	This course aims to equip student with the skills related to algorithms. Steps to be followed in the solution stages of a given problem, State diagrams, Transition diagrams and tables, Limitations of the program; System Design: The steps to be followed during the design of a desired system as hardware and software.								
19	Contribution of the Course to Professional Development:	The algorithmic approach that forms the basis for software technologies, which is the inevitable profession of today's world, is learned. In this way, the student will be able to learn other programming languages faster. Basic programming structures in languages such as C, C ++, python will be learned in this course.								
20	Learning Outcomes:									
	•	1	Being able to design algorithms.							
		2	Being able to work with flow diagrams.							
		3	Being able to use variables and constants							
		4	Being able to carry out Input and Output Processes.							
		5	Being able to use operators							
		6	Being able to use decision management terminology.							
		7	Being able to use loop management terminology.							
		8	Being able to use single and multi dimensional arrays.							
		9	Being able to use subprograms which do not return any values.							
		10	Being able to use subprograms which return values.							
21	Course Content:									
		Co	ourse Content:							
Week	Theoretical		Practice							
1	What is algorithms. After and before programming techniques.	of								

2	The operators used in the algorithm.																	
3	Terms used in algorithm.																	
4	Descriptor, Variable, Transfer, Counter, Loop.																	
5	Sequential addition and successive multiplication.																	
6	Algorith	m prep	paratio	n.														
7	Flow ch	arts ar	nd use	d sha	oes.													
8	Simple	algorit	nm exa	ample	s.													
9	Start / S	Stop, Ir	nforma	tion ei	ntry, Pr	ocess	s, Loo	р										
10	Decision (comparison), Print / Output, Connection, Process flow directions																	
11	Flow chart examples																	
12	Pascal Programming language general structure																	
13	Transiti languag	on fror je and	n flowo examp	chart t bles	o progi	rammi	ing											
14	Transition from flowchart to programming language and examples																	
22	Textbooks, References and/or Other Materials:								Course book, study book and other sources.									
23	Assesm	ent						•										
TERM L	EARNIN	G ACT	IVITIES	\$		N	IUMBE	E W	EIGHT									
Activites									Numt	ber		Dura	Duration (hour)			Total Work Load (hour)		
HABBAH	HREAR-Project 0											2.00	2.00 2			28.00		
Practica	Practicals/Labs											0.00	0.00			0.00		
Selfstu	dy and	orepera	ation			2	2	10	100400				2.00			28.00		
Homew	orks								2				2.00			4.00		
Projects									0				0.00			0.00		
Field St	Field Studies											0.00	0.00			0.00		
Midterm	ficterm exams									100.00				10.00				
Others	hers									0			0.00			0.00		
Final Ex	nal Exams									Undergraduate Education				and Regulation.				
Total W	otal Work Load														84.00			
Total wo	ork load											2.80						
ECTS C	Credit of	the Co	ourse						3.00									
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	PQ	1 PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16		
ÖK1	3	3	4	4	4	3	4	5	5	3	3	3	0	0	0	0		
ÖK2	4	4	4	5	5	4	3	5	5	5	5	3	0	0	0	0		
ÖK3	2	3	3	4	4	4	3	4	4	3	4	4	0	0	0	0		
ÖK4	4	3	2	4	4	4	4	5	3	4	2	5	0	0	0	0		

ÖK5	3	4	3	3	3	4	3	2	4	4	3	4	0	0	0	0
ÖK6	3	3	3	4	5	4	3	2	4	4	4	3	0	0	0	0
ÖK7	3	3	3	3	4	4	4	4	3	4	3	3	0	0	0	0
ÖK8	4	3	4	3	4	4	4	3	5	3	3	4	0	0	0	0
ÖK9	4	4	4	3	3	3	3	3	3	5	4	4	0	0	0	0
ÖK10	4	3	4	3	3	3	3	4	4	3	3	4	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				