

DATA STRUCTURES AND PROGRAMMING

1	Course Title:	DATA STRUCTURES AND PROGRAMMING
2	Course Code:	IYS3205
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	3
6	Semester:	5
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	3.00
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. MELİH ENGİN
15	Course Lecturers:	Doç.Dr. Melih ENGİN
16	Contact information of the Course Coordinator:	Doç.Dr. Melih ENGİN 0224 294 26 95 melihengin@uludag.edu.tr
17	Website:	
18	Objective of the Course:	To define the data types that can be used for private purposes, sequential or to create direct access files and use the ability to grasp the pointer type variables, identify, to create a self-calling program parts, understand the Sorting and searching methods to create libraries using the possibilities afforded by the programming language and to examine the existing library, Programming using the possibilities afforded by the use of language to control computer ports.
19	Contribution of the Course to Professional Development:	It provides all kinds of infrastructure for algorithm analysis and data structure models needed in mathematical model creation and any subject that includes data, and enables to develop the best solution on the computer.
20	Learning Outcomes:	
	1	Understanding the algorithm logic
	2	Makes Algorithm Application
	3	Understands the data structures
	4	Defines the data structure
	5	Makes programming and data structures applications
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	algorithm	

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