

PROGRAMMING TEACHING

1	Course Title:	PROGRAMMING TEACHING	
2	Course Code:	BIL6115	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	1	
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:	Prof. Dr. ADEM UZUN	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	aunuz@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	To be able to explain the learning theories which are the basics of programming teaching in learning environments, to be able to explain the historical development of programming teaching, to be able to follow up-to-date research on programming teaching.	
19	Contribution of the Course to Professional Development:	Students will gain knowledge, skills and attitudes about programming teaching that they can use in their professional practice.	
20	Learning Outcomes:		
		1	Explains the historical development of programming teaching.
		2	Explains the pedagogical approaches and learning theories used in programming teaching.
		3	Explains and uses recently emerged concepts, tools and application development environments related to programming teaching.
		4	Analyzes the needs of programming instruction according to age groups
		5	Follows up-to-date academic studies on programming teaching
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Introduction of the course and basic concepts		
2	Historical development of programming teaching		

3	Teaching methods and approaches on which programming instruction is based and the basic learning theories that they are based on	
4	Teaching methods and approaches on which programming instruction is based and the basic learning theories that they are based on	
5	Academic studies on teaching programming in cognitive, affective and social terms	
6	Academic studies on programming teaching for different age groups	
7	Academic studies on block-based programming teaching	
8	Academic studies on text-based programming teaching	
9	Academic studies on physical programming teaching	
10	Academic studies on mobile applications in programming teaching	
11	Future trends in programming teaching	
12	Article review	
13	Article review	
14	Article review	

22	Textbooks, References and/or Other Materials:	Kuramdan Uygulamaya Programlama Öğretimi, Editörler: Prof. Dr. Yasemin GÜLBAHAR, Prof. Dr. Hasan KARAL, BEGEM AKADEMİ, 2018
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Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	Teaching and Learning Computer Programming, Mayer, R. E., Routledge, 2008	14	2.00	28.00
Practicals/Labs		0	0.00	0.00
23 Assessment	Self study and preparation	14	2.00	28.00
Homeworks		1	14.00	14.00
Projects		0	0.00	0.00
Midterm Exam		0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		0	0.00	0.00
Home work project		0	0.00	0.00
Others		0	0.00	0.00
Final Exams		1	20.00	20.00
Total		100.00		90.00
Total Work Load				90.00
Success Grade/ 30 hr				3.00
ECTS Credit of the Course				3.00

Total	100.00
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Measurement and Evaluation Techniques Used in the Course	Process evaluation will be carried out with homework and projects during the term. Written exam will be applied in final exam.
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24	ECTS / WORK LOAD TABLE
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	4	5	0	4	4	3	0	0	5	5	5	0	0	4	0
ÖK2	3	4	4	0	4	5	4	0	0	4	4	4	0	0	3	0

ÖK3	4	4	4	0	5	4	4	0	0	3	4	3	0	0	4	0
ÖK4	3	4	4	0	4	4	4	0	0	4	3	4	0	0	4	0
ÖK5	4	4	4	0	5	5	4	0	0	4	4	4	0	0	4	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			