

MOBILE PROGRAMMING

1	Course Title:	MOBILE PROGRAMMING	
2	Course Code:	BIL4110	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	8	
7	ECTS Credits Allocated:	5.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	2.00	
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:	auzun@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	The aim of this course is to enable prospective teachers to have knowledge about the basic concepts of mobile programming and also to develop applications including sensors, emulators, audio, image and video, map services and databases using software development tools for mobile programming.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	To be able to explain the basic concepts of mobile programming
		2	To distinguish mobile operating systems and features
		3	Ability to use mobile application development tools
		4	Ability to use voice, picture, video, database and location in mobile programming
		5	To make different designs with mobile programming
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Mobile programming basics		
2	Mobile operating systems		
3	Mobile application development tools		
4	Interface development in mobile programming		

5	Mobil programlamada arayüz geliştirme	
6	Audio, picture and video usage	
7	Map services	
8	Memory management	
9	Web views	
10	Database usage	
11	Veritabanı kullanımı	
12	Web services	
13	Mobile based game development	
14	Mobile based game development	

22	Textbooks, References and/or Other Materials:	Walter, D., & Sherman, M. (2014). Learning MIT app inventor: A hands-on guide to building your own android apps. Pearson Education. Ayan, B. (2015). Appinventor ile mobil uygulama geliştirme. Abaküs Yayınevi.
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23	Assesment	
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

24	ECTS / WORK LOAD TABLE
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Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	12	3.00	36.00
Homeworks	0	0.00	0.00
Projects	10	3.00	30.00
Field Studies	0	0.00	0.00
Midterm exams	1	10.00	10.00
Others	0	0.00	0.00
Final Exams	1	18.00	18.00
Total Work Load			150.00
Total work load/ 30 hr			5.00
ECTS Credit of the Course			5.00

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	5	5	4	3	0	4	0	0	0	0	0	0	0	0	0	0
ÖK2	4	4	4	4	0	5	0	0	0	0	0	0	0	0	0	0
ÖK3	5	4	4	5	0	4	0	0	0	0	0	0	0	0	0	0
ÖK4	5	4	4	5	0	4	0	0	0	4	0	0	0	0	0	0
ÖK5	5	4	4	5	0	4	0	0	0	5	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			