MOBILE PROGRAMMING TECHNIQUES

1	Course Title:	MOBILE PROGRAMMING TECHNIQUES	
2	Course Code:	BIL4106	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	8	
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:	-	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç.Dr. ADEM UZUN	
15	Course Lecturers:	-	
16	Contact information of the Course Coordinator:	adem.uzun@gmail.com	
17	Website:	uzaktanogren.ademuzun.com	
18	Objective of the Course:	The purpose of this course is to make students be able to explain the basic features of mobile devices and to develop applications for mobile devices.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Identifies today’s mobile devices
		2	Explains mobile platform differences than other platforms in terms of software development
		3	Explains the basic concepts of mobile programming
		4	Develops software for multiple devices
		5	
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		10	
21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Characteristics of mobile devices	
2	Today’s mobile devices	
3	Introduction to mobile programming	
4	Decision structures	
5	Loop structures	
6	Interface design	

7	Accessing file system	
8	Accessing the device properties	
9	Accessing the network	
10	Designing and building data services	
11	Working with data	
12	Working with data	
13	Working with geo-location	
14	Distributing the mobile applications	

22	Textbooks, References and/or Other Materials:	Professional Cross-Platform Mobile Development in C#, Scott Olson, John Hunter, Ben Horgen, Kenny Goers, 2012, Wrox Mobile Development with C#, Greg Shackles, 2012, O'reilly
23	Assesment	

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**

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	6.00	84.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	10.00	10.00
Others	0	0.00	0.00
Final Exams	1	14.00	14.00
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	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**				