MOBILE PROGRAMMING I

1	Course Title:	MOBILE PROGRAMMING I
2	Course Code:	BLPS2307
3	Type of Course:	Optional
4	Level of Course:	Short Cycle
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
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr. Gör. RUKİYE TOPUZ
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları
16	Contact information of the Course Coordinator:	rtopuz@uludag.edu.tr 0224 294 26 77
17	Website:	
18	Objective of the Course:	To enable students to explain the basic features of mobile devices and to be able to develop applications for mobile devices.
19	Contribution of the Course to Professional Development:	Uses mathematical skills in the professional field. Takes part in software (PC, network environment and internet) planning and design. Finds solutions to problems that will arise by thinking algorithmically in the professional field.
20	Learning Outcomes:	
		1	To understand mobile systems and development tools
		2	To develop applications for mobile devices
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21	Course Content:	

Course Content:

Week	Theoretical	Practice
1	Fundamentals of software and mobile devices (Mobile Websites, Native and Web Application)	
2	Software Development Basics for Android, iOS and WindowsPhone	
3	Using Sensors (Accelerometer, Orientation, Compass)	

4	Using Camera and Pictures	
5	Using phonebook and sending bulk messages	
6	Control of the internet connection and working offline	
7	Events (Network, Button and Application events)	
8	Working with file system	
9	Using Location service and maps (GeoLocation)	
10	Using notifications	
11	Working with database	
12	Working with different screen sizes	
13	Preparing a game with using canvas	
14	Publishing programmes on the store	
22	Textbooks, References and/or Other Materials:	- Apache Cordova 3 Programming, John M. Wargo; - PhoneGap 3 Beginners Guide, Giorgio Natili; - PhoneGap 3.x Mobile Application Development Hotshot, Gerard Braad; - PhoneGap Beginners Guide, Andrew Lunny; - PhoneGap Essentials, John M. Wargo
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		Measurement and evaluation are carried out according to the principles of Bursa Uludağ University Associate and Undergraduate Education Regulation.

24	**ECTS / WORK LOAD TABLE**

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	1.00	14.00
Homeworks	1	1.00	1.00
Projects	4	3.00	12.00
Field Studies	0	0.00	0.00
Midterm exams	1	10.00	10.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			95.00
Total work load/ 30 hr			2.83
ECTS Credit of the Course			3.00

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	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	4	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