

Course Name	Course Code	semester	T + P	Credit	ECTS
Mobile Application Development			3+0	3	4

Prerequisite Courses	None
----------------------	------

Language of Course	Turkish
Course class	Technical Elective
Coordinator of Course	
Instructor	
Course Assistant	
Objective of Course	It is aimed that students will be able to define mobile technologies, develop websites and applications for mobile devices.
<b>Course Learning Output</b>	<p>Students who have successfully completed this course:</p> <ul style="list-style-type: none"> <li>• Recognize mobile application platforms.</li> <li>• Select the platforms needed to develop mobile applications.</li> <li>• Actively use the Mobile Application Environment.</li> <li>• Design visual interfaces with development language</li> <li>• Development can write, read and process data with the language.</li> <li>• Design websites for mobile devices</li> </ul>
<b>Course Contents</b>	Designing websites for mobile devices Mobile devices and operating systems, mobile website design bases, mobile application development environments, project management, packaging and distribution of mobile applications, mobile application markets, security in mobile applications.

Weeks	Topics
1	Introduction to mobile technology; mobile devices, mobile operating systems
2	Website standards and website design for mobile devices
3	Application development environment for Android Operating system
4	Interface design and programming for Android Operating system
5	Interface design and programming for Android Operating system
6	Packing and installing the Android app
7	Application development environment for iOS Operating system
8	MIDTERM
9	Interface design and programming for iOS operating system
10	Interface design and programming for iOS operating system
11	Interface design and programming for iOS operating system
12	iOS application packaging and installation
13	Application development environment for Windows Phone operating system
14	Interface design and programming for Windows Phone Operating system

15	FINAL EXAM
----	------------

<b>General Sufficiency</b>
Assessment takes mobile application development into account by learning and programming mobile application development platforms.
<b>References</b>
<ul style="list-style-type: none"> <li>• Professional Android 2 Application Development, by Reto Meier, 2010 Wiley Publishing, Inc. ISBN: 978-0-470-56552-0</li> <li>• Mobile Applications: Architecture, Design, and Development, by Valentino Lee, Heather Schneider, Robbie Schell, Prentice Hall, 2004 ISBN: 013117263</li> <li>• Mobile Design and Development: Practical Concepts and Techniques for Creating Mobile Sites and Web Apps, by Brian Fling, O'Reilly Media, 2009, ISBN: 0596155441</li> </ul>
<b>Assessment</b>
Midterm exam: 40%, Final exam: 60%; Project or homework evaluations can be made at the beginning of the semester.