Óbudai University **Alba Regia Technical Faculty**				
Name of the subject and Neptun code: Application Development for Mobile Devices				
Kreditérték: 2				
Nappali tagozat	2015/2016.			2nd semester
Faculty:				
Subject leader:	Éva Hajnal PhD.		Teacher:	Éva Hajnal
Prerequisits				
Weekly hours:	Lecture: 2	gs:0	Lab: 0	Consultation: 0
Test method:	Practice grade			

<table>
<tr><th colspan="5" style="text-align:center">Description of the subject:</th></tr>
</table>

Aim: During the curse students have to be introduced into Android RAD tool features. They study the Android operating system and it's programming, standard and custom libraries. The students have to know the development environment, compilation, debugging and android process and activities life cycle. They skill in database connection, CRUD operations. They learn about hardware control: device orientation, accelerometer, GPS, camera and networking, web services.

Curriculum:

Contents	**Hours**
Lecture:	
Introduction to Android Studio. Graphics interface	2
Java basics	2
Data storage	2
GPS handling, location, Google Maps and other alternative solutions	2
1. Test (paper and computer test)	2
Állami ünnep	0
Sensors	2
Húsvét	0
File handling	2
Data-base operations, CRUD	2
Project	2
Optimization, Android Market	2
2. test (paper and computer)	2
Project demonstration	2

Requirements	
5. and 13 weeks test	
	At least 50% in the tests
Paper and computer test , project demonstration	

References:	
	John Horton: Android Programming for Beginners