

Implementation plan Finished

Study unit	Native Mobile Applications Development (A9438), 5.0
Implementation	CCA1621: 2/2016-2017 (09.01.2017 - 20.06.2017)
Type	MOBILE APPLICATION DEVELOPMENT (A895)
Groups	Primary: CCA16SY Others :
Involved in the project	
Lecturers	
Number of participants	Minimum: Maximum:
Enrolment period	28.11.2016 08:00 - 09.12.2016
Main timing for implementation	
Applicability	For exchange students: Yes For elective studies: No Open UAS student: No Suitable for virtual UAS: No
Teachers	Stenberg Mika (Teacher in charge)
Campus	Laurea Leppävaara
Main location for implementation	At the campus
Implementation method	Optima realization/student group Language: English Virtuality: 0 cr Integration of R&D: 0 cr
Implementation class	
Focus areas	Service business
Evaluation at the latest	20.07.2017 Storing of graded material ends.: 20.06.2018
Exam days	
Having completed the study unit the student is able to	• configure and use native development environment • apply guidelines and best practices to design user interfaces for native mobile applications • design, develop and implement user interfaces for native mobile applications • test and demonstrate the user interface of native mobile applications
Previous studies	Fundamental knowledge of programming and web development helps smooth learning of this study unit.
Previous studies, more information	• Basics of programming or corresponding skills are required • Object-oriented programming or corresponding skills are beneficial
Contents	1. Android introduction 2. User Interface Basics (Activities) 3. Apps with multiple Screens (Intents) 4. Data persistence (Shared Preferences) 5. Networking 6. UI and Fragments
Study material	Beginning Android; Allen, Grant (2015) http://www.laurea.ebib.com/patron/FullRecord.aspx?p=4198839
Tutoring and communication	Workshops and material are in english. Guidance is available in finnish.
Evaluation criteria and methods	Course evaluation is based on: 1. Attending the workshops 2. Independent project assignments 3. Final Exam Covering Theory and Practical Aspects