

Implementation plan Finished

Study unit	Fundamentals of Programming (A9288), 5.0
Implementation	NIA1421: 2/2014-2015 (07.01.2015 - 19.06.2015)
Type	COMPETENCE IN ICT (A858)
Groups	Primary: NIA214SN Others :
Involved in the project	
Lecturers	Paresh Rathod
Number of participants	Minimum: Maximum:
Enrolment period	01.12.2014 08:00 - 07.12.2014
Main timing for implementation	
Applicability	For exchange students: No For elective studies: No Open UAS student: No Suitable for virtual UAS: No
Teachers	Rathod Paresh (Teacher in charge)
Campus	Laurea Leppävaara
Main location for implementation	
Implementation method	Optima realization/student group, Web/virtual Language: English Virtuality: 0 cr Integration of R&D: 0 cr
Implementation class	
Focus areas	
Evaluation at the latest	19.07.2015 Storing of graded material ends.: 19.06.2016
Exam days	
Having completed the study unit the student is able to	The student is able to • use the fundamental syntax and building blocks of programming languages • plan, implement and test small-scale programs in accordance with the best practices of programming
Previous studies	
Previous studies, more information	Basic know-how of ICT and Computer Fundaments
Learning objectives	Learning fundamentals of programming and coding
Contents	• Algorithm • Introduction to Java programming • Types, Variables, Statements and Blocks • Printing, reading and Operators • Methods and Arrays • Objects in problem solving • Class, model of an object
Study material	Will be provided as below:1) Optima (virtual guidance and communication) 2) Viope (Delivery of content and Individual practice)
Tutoring and communication	Team Task and Teacher GuidedWorkshop & Self-learning using Viope
Evaluation criteria and methods	<u>There will be Two tracks:</u> Track-1: Regular Workshop • Individual student collecting points in different assignments • Team task in every workshop (team guided activities) Track-2: Test: • Individual student learn by themselves using Viope. Demonstrate learning outcome taking final test at end of study unit. There will be 2 chances of test.
Work strain	About 150 hours of student learning effort