

Implementation plan Finished

Study unit	Data Networks in Operation (01118), 10.0
Implementation	NIA1121: 2/2011-2012 (23.01.2012 - 30.06.2012)
Type	INITIATION OF PROFESSIONAL GROWTH (A029)
Groups	Primary: NIA11SN Others :
Involved in the project	
Lecturers	Jouni Takala, Seppo Koponen, Riku Salmenkylä
Number of participants	Minimum: Maximum:
Enrolment period	28.11.2011 08:00 - 04.12.2011
Main timing for implementation	
Applicability	For exchange students: Yes For elective studies: No Open UAS student: Yes Suitable for virtual UAS: Yes
Teachers	Takala Jouni (Teacher in charge), Koponen Seppo (Other teacher)
Campus	Laurea Leppävaara
Main location for implementation	
Implementation method	Optima realization/student group, Other method of implementation, Project/venture/R&D Language: English Virtuality: 0 cr Integration of R&D: 4 cr
Implementation class	
Focus areas	
Evaluation at the latest	17.07.2012 Storing of graded material ends.: 31.07.2013
Exam days	Real: will be announced in Optima Re-exams: 31.05.2012
Having completed the study unit the student is able to	# build or expand data networks according to plan # understand the methods for connecting networks to other networks # make use of the benefits of network management systems # describe the opportunities and threats brought by emerging technologies # solve problems related to building, expanding, managing and maintaining networks, independently and in groups # work in an interdisciplinary development project as a networks designer
Previous studies	Data Networks
Previous studies, more information	01117 Data networks
Learning objectives	
Contents	Developing deeper understanding of the concepts in 01117 and the practical usage and applications of data networks, including a small network related project.
Study material	CCENT/CCNA ICND1 (Cisco Certified Entry Networking Technician/Cisco Certified Network Associate Interconnecting Cisco Networking Devices 1)
Tutoring and communication	Optima will be the communication platform.
Evaluation criteria and methods	The evaluation of the course consists of: Theoretical framework 40 % of the credits (4), grading 0-5, 50% weight of the total grade Lab work and assignments 20% of the credits (2), pass/fail criteria Project work 40% of the credits (4), grading 0-5, 50% weight of the total grade All three parts must be passed to get the total 10 credits recorded.
Project (name)	Project topics will be announced during the course. Students can suggest their own

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	topics as well.
R&D methods	
Work strain	
Other arrangements	The first lecture and introduction to the study unit takes place Monday January 23rd. There are two sessions per week Mon 12:30-16 Tue 9:00-11:30 and both theory and practical assignments can be given in both sessions. The project work will be kicked off officially in March but students are encouraged to prepare for it from the very beginning.

Learning events

Date	o'clock/at h		Subject	Content	Status	Teachers
23.01.2012	12:30-16:00	00	Course presentation	- Course presentation, contents- Project work instructions, project group assignments		
05.03.2012	12:30	3	Project work starts	Project topics introduced Defining project groups	009	
30.04.2012	12:30	3	Project seminar	Project work completed, presentations	009	
15.05.2012	12:30		Final exam		241	