

Implementation plan Finished

Study unit	Data Networks (01117), 10.0
Implementation	NIA1111: 1/2011-2012 (05.09.2011 - 19.12.2011)
Type	INITIATION OF PROFESSIONAL GROWTH (A029)
Groups	Primary: NIA11SN Others :
Involved in the project	
Lecturers	
Number of participants	Minimum: Maximum:
Enrolment period	23.05.2011 08:00 - 05.06.2011
Main timing for implementation	
Applicability	For exchange students: Yes For elective studies: Yes Open UAS student: Yes Suitable for virtual UAS: No
Teachers	Takala Jouni (Teacher in charge), Koponen Seppo (Other teacher), Salmenkylä Riku (Other teacher)
Campus	Laurea Leppävaara
Main location for implementation	
Implementation method	Optima realization/student group, Other method of implementation Language: English Virtuality: 0 cr Integration of R&D: 0 cr
Implementation class	
Focus areas	
Evaluation at the latest	17.01.2012 Storing of graded material ends.: 17.12.2012
Exam days	Real: to be announced later
Having completed the study unit the student is able to	# know the basic theory behind data networks # describe the concepts of LANs, WANs and WLANs # describe and define operation and active equipment of a LAN # justify solutions and purchases related to data networks # work responsibly in a company's data network
Previous studies	
Previous studies, more information	This is a technical course. Basic understanding and experience of computers and how they can access data networks like Internet is very useful.
Learning objectives	After the course students can: - Explain the terms and acronyms in data networking - Describe the basic technology under modern networking - List basic networking protocols and their purpose - Participate in networking related projects
Contents	• Computer basics • Microsoft LAN and Windows OS environment • Linux OS • Server and workstation configuration in MS networks • Switching and routing • Cabling • Binary calculations
Study material	CCENT/CCNA ICND1 (Cisco Certified Entry Networking Technician/Cisco Certified Network Associate

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	Interconnecting Cisco Networking Devices 1)
Tutoring and communication	
Evaluation criteria and methods	To be agreed in the beginning of the study unit, tentatively: Weight Grade Exam 70% 0-5 Lab exercises 20% pass/fail Activity 10% 0-5
Other arrangements	Contact hours two times a week, starting from week 36 (Sept 5th): - Thursday afternoon 12:30-16:00 for lectures and instructions - Friday afternoon 12:30-16:00 for practical exercises in the computer room or small individual assignments on paper