

Implementation plan Finished

Study unit	Data Networks (01117), 10.0
Implementation	NIA1011: 1/2010-2011 (23.08.2010 - 17.12.2010)
Type	INITIATION OF PROFESSIONAL GROWTH (A029)
Groups	Primary: NIA10SN Others :
Involved in the project	
Lecturers	
Number of participants	Minimum: Maximum:
Enrolment period	24.05.2010 08:00 - 04.06.2010
Main timing for implementation	
Applicability	For exchange students: Yes For elective studies: No Open UAS student: No 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	Other method of implementation Language: English Virtuality: 0 cr Integration of R&D: 0 cr
Implementation class	
Focus areas	
Evaluation at the latest	17.01.2011 Storing of graded material ends.: 17.12.2011
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	- Wireless and wireline networking infrastructure basics - Networking protocols and reference models (OSI, TCP/IP, SS7 stack) - TCP/IP protocols and Ethernet switching
Study material	Will be announced later
Other arrangements	We will meet normally two times a week, starting from week 36 (Sept 6th), tentatively:- Monday afternoon 12:30-16:00 for lectures and instructions- Tuesday afternoon 12:30-16:00 for practical exercises in the computer room or small individual

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	assignments on paperParticipation is typically not mandatory but it affects the grades.
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