

Implementation plan Finished

Study unit	Data Networks (01117), 10.0
Implementation	NIA1311: 1/2013-2014 (02.09.2013 - 03.12.2013)
Type	INITIATION OF PROFESSIONAL GROWTH (A029)
Groups	Primary: NIA13SN Others :
Involved in the project	
Lecturers	Riku Salmenkylä
Number of participants	Minimum: Maximum:
Enrolment period	20.05.2013 08:00 - 02.06.2013
Main timing for implementation	
Applicability	For exchange students: Yes For elective studies: Yes Open UAS student: No Suitable for virtual UAS: No
Teachers	Salmenkylä Riku (Teacher in charge), Koponen Seppo (Other teacher), Takala Jouni (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	03.01.2014 Storing of graded material ends.: 17.12.2014
Exam days	Real: week 49 (tentative)
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	Presentation slides will be shared in Optima. Wu, Chwan-Hwa. Irwin, J. David. 2013. Introduction to Computer Networks and Cybersecurity CCENT/CCNA ICND1 (Cisco

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	Certified Entry Networking Technician/Cisco Certified Network Associate
	Interconnecting Cisco Networking Devices 1)
Tutoring and communication	Optima workspace "01117/NIA1311 Data Networks"
Evaluation criteria and methods	Weight Grade Exam 70% 0-5 Lab exercises 20% pass/fail Activity 10% +1 Overall study unit grading: Lab exercises must be passed but do not influence in the total grade for the 10cr study unit. The weight reflects the workload/amount of (partial) credits earned. The grading (0-5) is based on the exam results only, however active participation may raise the basic grade earned in the exam.
Project (name)	No project in this study unit.
Work strain	See evaluation criteria above.
Other arrangements	Lectures twice a week, usually in a computer room.

Learning events

Date	o'clock/at h		Subject	Content	Status	Teachers
02.09.2013	12:30	3	Opening lecture	- The content of the course- Textbook- Evaluation- etc		Riku Salmenkylä, Jouni Takala
03.09.2013	9:00	2	Second lecture		TBD	
09.09.2013	12:30	3			009	
10.09.2013	9:00	2			009	
16.09.2013	12:30	3			009	
17.09.2013	9:00	3			009	
23.09.2013	12:30	3			009	
24.09.2013	9:00	3			009	
03.12.2013		3	End of study unit		009	
10.12.2013		3	Final returns, feedback summary		009	