

Implementation plan Finished

Study unit	Information Security Technologies (A0112), 5.0
Implementation	NIA1321: 2/2013-2014 (07.01.2014 - 20.06.2014)
Type	DEVELOPMENT OF CORE COMPETENCES IN THE FIELD (A030)
Groups	Primary: NIA12SN Others :
Involved in the project	
Lecturers	
Number of participants	Minimum: Maximum:
Enrolment period	02.12.2013 08:00 - 08.12.2013
Main timing for implementation	
Applicability	For exchange students: Yes For elective studies: No Open UAS student: No Suitable for virtual UAS: No
Teachers	Rathod Paresh (Teacher in charge), Mattila Anssi (Other teacher)
Campus	Laurea Leppävaara
Main location for implementation	
Implementation method	Optima realization/student group, Other method of implementation, Web/virtual Language: English Virtuality: 1 cr Integration of R&D: 0 cr
Implementation class	
Focus areas	Security, safety and social responsibility
Evaluation at the latest	20.07.2014 Storing of graded material ends.: 20.06.2015
Exam days	Re-exams: 10.06.2014
Having completed the study unit the student is able to	• understand the importance of information security technologies • understand the significance of encryption and how to utilise its features • identify and analyze vulnerabilities of information systems • evaluate and apply technical information security measures
Previous studies	Managing Information Security

Learning events

Date	o'clock/at h		Subject	Content	Status	Teachers
29.01.2014	9.00	2	Introduction of the study unit	- Objectives of the study unit and implementation plan - Security of E-mail	232A	
05.02.2014	9.00	2	Lecture	Basics of encryption	195A	
26.02.2014	9.00	2	Lecture	- Public key encryption - Public Key Infrastructure (PKI) - Smart cards	253	
12.03.2014	9.00	2	Lecture	- TCP/IP and information security - Information security protocols - Firewalls	253	
12.03.2014			Individual exercise - first part	- Individual exercise, first part – multiple choice exam - Will be opened 12.3, closes 17.3.2015, right answers available in the same folder 18-19.5.2014.	Optima	
19.03.2014	9.00	2	Exam 1	- Exam 1 - Instructions will be given in Optima	Timo	
23.04.2014			Individual exercise -	Individual exercise, second part – multiple choice exam	Optima	

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			second part	• Will be opened 23.4, closes 5.5.2015, right answers available in the same folder 6-7.5.2014.		
07.05.2014	9.00	2	Exam 2 or Final exam	• Exam 2 or Final exam • Instructions will be given in Optima	Timo	
26.03.2014	09-11.30		Lecture	• Security of operating systems	253	
02.04.2014	09-11.30		Lecture	• Security of local area networks	253	
09.04.2014	09-11.30		Lecture	• Intrusion Detection/Prevention Systems (IDS/IPS)	253	
16.04.2014	09-11.30		Lecture	• Security of wireless communication	253	
23.04.2014	09-11.30		Lecture	• Vulnerability of information systems • Vulnerability management • Vulnerability testing	253	