

Implementation plan Finished

Study unit	Introduction to Information Security (A9187), 5.0
Implementation	CCA1521: 2/2015-2016 (01.02.2016 - 23.06.2016)
Type	INFORMATION SECURITY MANAGEMENT (A846)
Groups	Primary: CCA15SY Others :
Involved in the project	
Lecturers	
Number of participants	Minimum: Maximum:
Enrolment period	30.11.2015 08:00 - 07.12.2015
Main timing for implementation	
Applicability	For exchange students: Yes For elective studies: No Open UAS student: No Suitable for virtual UAS: Yes
Teachers	Kämppi Pasi (Teacher in charge), Rathod Paresh (Other teacher)
Campus	Laurea Leppävaara
Main location for implementation	Virtually
Implementation method	Optima realization/student group, Web/virtual Language: English Virtuality: 3 cr Integration of R&D: 0 cr
Implementation class	LbD supporting knowledge and skills development
Focus areas	Security, safety and social responsibility
Evaluation at the latest	23.07.2016 Storing of graded material ends.: 23.06.2017
Exam days	
Having completed the study unit the student is able to	The student is able to: • use relevant concepts related to information security • evaluate the importance of information security as a part of an organization's operations and the effect of information risks on an organization • protect organizations against information security threats • evaluate an organization's operations with regard to information security related legislation and standards
Previous studies	
Previous studies, more information	• Study unit is suitable for students on any graduate level that are familiar with the fundamentals of the ICT-technologies and OSI-model
Contents	• Study unit is fully virtual including at least one workshop in the campus • Content is based Comptia Security+ (click me) • Use relevant concepts related to information security • Control Fundamentals and Security Threat • Network Protocols, Attacks, and Defenses • Authentication, Biometrics, and Security Controls • Evaluate the importance of information security as a part of an organization's operations and the effect of information risks on an organization • Vulnerability Assessment and Penetration Testing • Continuity, Disaster Recovery, and Computer Forensics • Protect organizations against information security threats • Creating Secure Networks • Securing a Networked Environment • Remote Access, Mobile, and Wireless Security • Cryptographic Methods and Public Key Infrastructures • Securing Applications, Virtualization, and the Cloud
Study material	• Study material is based on Comptia Security+ certification material • Study material is available via various learning environments
Tutoring and communication	• Study unit is headed by two teachers

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	• Study unit starts with welcome message from teachers • Counseling sessions when needed (Every Tuesday starting from 08th Feb, 2016 to End of May) • Communication via Optima
Evaluation criteria and methods	• Students collect points for different activities • Quizzes • Case studies • Reflection
Work strain	• 5 cr / 137,5 hours / 8 hours per week • Weekly basis study topics
Other arrangements	