

Implementation plan Finished

Study unit	Information Security Management (A9188), 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	On working days during daytime
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	At the campus
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: • evaluate the significance of different roles and the information security organization for the implementation of information security • evaluate information risks directed at organizations systematically and apply risk management practices • design an information security management system for an organization • identify the essential elements of the auditing process and evaluate the possibilities of auditing to develop information security in an organization • apply standards in the development of information security in an organization • draw contingency plans for information systems
Previous studies	
Previous studies, more information	• Study unit is suitable for any graduate level student. Considering following points • Student must know how company/organization works • Students knows basics of ICT-technologies • Student is able to work in team and with project tasks • NOTE. Any student who is willing to learn the overview of information security technologies, we recommend to take following study unit: A9187 Introduction to Information Security
Contents	• Introduction to study unit • Study unit targets • Pedagogical approach • How people learn • Design an information security management system for an organization • Introduction to the management of information security • Planning for Security • Information Security Policy

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	• Security Management Practices • Draw contingency plans for information systems • Planning for Contingencies • Evaluate the significance of different roles and the information security organization for the implementation of information security • Developing the Security Program • Personnel and Security • Apply standards in the development of information security in an organization • Security Management Models • Evaluate information risks directed at organizations systematically and apply risk management practices • Risk Management: Identifying and Assessing Risk • Risk Management: Controlling Risk
Study material	• Study material is based on book: Management of Information Security by Michael E. Whitman • Virtual content available in Optima
Tutoring and communication	• Tutoring session at the start of the study unit and counseling sessions when needed • Two tracks • Track-1: Workshop track • weekly basis virtual learning and workshops • Track-2: Virtual track • weekly basis virtual learning and assignments
Evaluation criteria and methods	<u>TRACK-1 (workshop)</u> • Study unit applies student centric pedagogical model and involves students with different activities • Group work • Individual work • Case studies • Games • Presentations • Students collect points for different activities • Delivering workshops • Participating workshops • Tests and exams <u>TRACK-2 (virtual)</u> • Weekly tests and assignments • Students collect points for different activities • Online quizzes • Case studies • Reflection
Work strain	• 5 cr / 137,5 hours / 8 hours in week • Study unit contains 10 workshops • One workshop / week • Virtual study topic / week
Other arrangements	