

Implementation plan Finished

Study unit	Information Security Development Project (R0320), 5.0
Implementation	CCA1721: 2/2017-2018 (29.01.2018 - 15.06.2018)
Type	INFORMATION SECURITY MANAGEMENT (A846)
Groups	Primary: CCA17SY Others :
Involved in the project	
Lecturers	
Number of participants	Minimum: Maximum: 40
Enrolment period	27.11.2017 08:00 - 08.12.2017
Main timing for implementation	On working days during daytime
Applicability	For exchange students: Yes For elective studies: Yes 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	
Implementation method	Optima realization/student group, Project/venture/R&D, Web/virtual Language: English Virtuality: 2 cr Integration of R&D: 3 cr
Implementation class	LbD based on international RDI project
Focus areas	Security, safety and social responsibility
Evaluation at the latest	15.07.2018 Storing of graded material ends.: 15.06.2019
Exam days	
Having completed the study unit the student is able to	The student is able to • recognize the need to develop information security • plan, implement and document an information security development project for an organization • apply the practices and techniques of project management
Previous studies	
Previous studies, more information	• Following are suggestions and not prerequisites of participating. However, learners will benefit more if they have finished previous study from following modules: • A9187 - INTRODUCTION TO INFORMATION SECURITY MANAGEMENT • A9188/R0319 - INFORMATION SECURITY MANAGEMENT
Learning objectives	• The student is able to apply chosen information security framework in the information security project • VAHTI, KATAKRI, BSI, NIST, PCI-DSS, ... • The student is able analyze and describe the current status of the information security in the target organization • The student is able to identify the most significant information security risks in the target organization • The student is able to present the results of the project both by writing and orally • The student is able to work in the project according PMBOK project framework • The student is able to compose a project plan • The student is able to compose a WBS (work breakdown structure) • The student is able to plan resource allocation • The student is able to present project results to other groups • The student is able to manage their projects with project management tool (MS Project Online) • The student is able to make both self and peer-to-peer evaluation
Study material	• VAHTI documentation

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	• KATAKRI • BSI Grundschrift documentation • NIST documentation
Tutoring and communication	• Possible tracks: • Track 1: The team/student obtains a target organization and applies information security in real environment • Track 2: The team/student participates Laurea research project (special theme: MARITIME cyber security) • Track 3: The team/student works on developing instructions on how to protect a chosen object (list of suitable objects to be provided) or take part for cyber security training environment development • Track 4: If you would like to learn Palo Alto Network security devices, we are able to offer access for virtual training material, access to virtual training environment and possibility to take ACE-certification • The team/student follows selected project framework (PMBOK) • The team/student applies selected information security framework with chosen context • Minimum 5 workshops during the project • The result of the project is the deliverable (final report) that reports the results proper way • The team will report the status of the project by agreed frequency • Teams will present their projects at the end of the study unit in a seminar
Evaluation criteria and methods	Point based evaluation • 100 p maximum • 50-59, grade 1 • 60-69, grade 2 • 70-79, grade 3 • 80-99, grade 4 • 90-100, grade 5 • A student gains points continuously during the study unit