FACULTY OF ENGINEERING
STUDY COURSE DESCRIPTION

Course Title:	**Information security basics**
Course code (LAIS):	**DatZ1013**
Study programme:	**Information technologies**
Level of Study programme:	☐ 1st level professional higher education ☒ Professional Bachelor ☐ Professional Master ☐ Academic Master ☐ PhD level
Type of Study programme:	☐ Compulsory course (Part A) ☐ Professional specialization courses (Part B, compulsory) ☐ Professional specialization optional courses (Part B, optional) ☐ Elective courses (Part C)

Course Workload:	**Credits**	**ECTS**	**Academic hours**	**Contact hours**	**Independent work hours**
	2	3	80	32	48

Course Author/ Tutor:	Guest lecturer, Mg.soc., **Sintija Deruma, CISM**
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	Consultation: according to the schedule for each semester
Course Form:	Full time studies
Study year, semester:	1st year, 2nd semester
Language:	Latvian
Prerequisites for the Course:	
Course Summary:	The goal of this course is to develop an in-depth understanding of the risks of cyber security, promoting user awareness of the principles of information protection.
Course Methods:	Lectures, seminars, individual and group work, experiments, games
The type of Final examination:	Exam - presentation of group project
Requirements for Credits:	Active involvement in on-the-spot lectures, discussions, group projects, successful project implementation. Practical work 60%, final exam 40%
Course Contents:	Information security controls, basic concepts, cyber risks, cyber-attacks, classification of information, introduction to personal data protection

Learning Outcomes; the evaluation methods and criteria	**Learning Outcomes**	**The evaluation methods and criteria**
	Knowledge	
	Student knows and understand the basic information security principles, user habits and attitudes	lectures, practical classes, seminars, discussions, group work
	Skills	
	Students are able to find, collect relevant sources of information of cybercrime, counter measures	lectures, practical classes, seminars, discussions, group work
	Competency	
	The student is able to analyze, evaluate information security training samples and make suggestions for their improvement	practical classes, seminars, discussions, group work

Course Compulsory literature:	CSX Cybersecurity Fundamentals, ISACA, 2015
Course additional literature:	Privacy and Cybersecurity resources by ISACA: http://www.isaca.org/Knowledge-Center/Research/Pages/Cybersecurity.aspx http://www.isaca.org/Knowledge-Center/Research/Pages/Privacy.aspx
Course approval date:	15.06.2018.
Course last revision date:	31.08.2018.

Study Course Plan:

Date*	Theme	Academic hours		Study Form
		contact lessons	**Independent work hours**	
	Cyber risks, cyberattacks	8		Lecture, situation analysis, discussions
	Information security principles, concepts and security controls	8		Lecture, situation analysis, discussions
	Information classification basics	6		Lecture, situation analysis, discussions
	Intro in personal data protection	6		Lecture, situation analysis, discussions
	Security awareness pre-experiment		26	Individual project work
	Security awareness experiment		22	Group project work
	Group project presentation	4		Final exam
	Hours total:	*32*	*48*	

* The date is specified before the implementation of the course