

Subject code: IFI7013.DT	Subject name: ICT Strategic Management		
Study load: 5 ECTS	Load of contact hours: 20	Study semester: Autumn	Assessment: Exam
Objectives:	The objective of the course is to give students fundamental knowledge and skills for strategic management of information technology in organisational context		
Course outline:	<p>The course is based on the Estonian occupational standard of the IT Manager. Although some of the knowledge areas described therein are supported by other subjects, this course seeks to fill the gaps and develop a holistic approach to IT strategy. The following topics are covered:</p> <ul style="list-style-type: none"> • Relationships between IT and business strategy • Business planning • Software and enterprise architecture • Software engineering • IT governance • Sustainable development • Business complexity and volatility • Risk management • Information security • Partner management • Quality management • Service level management 		
Learning Outcomes:	<p>Learner</p> <ol style="list-style-type: none"> 1. Can produce and present an information technology strategy of an organisation 2. Can express relationships between IT competence areas and organisational strategy 3. Knows the principles of sustainable IT management 4. Can develop IT quality management practices of an organisation 5. Can relate organisational complexity to changes in IT systems 6. Knows the key principles of risk and information security management 7. Can relate enterprise and system architecture 		
Assessment Methods:	Final grade is the result of group work and the exam grades. 70% of the final grade is the group work grade and 30% the exam grade.		
Teacher(s):	Andres Kütt		
Subject name in Estonian:	Infotehnoloogia strateegiline juhtimine		
Prerequisite subject(s):			

Compulsory Literature:	
Replacement Literature:	
Participation and Assessment requirements:	It is compulsory to participate in the group work defence seminar. Lecture attendance is not compulsory
Independent work:	<p>The group work is comprised of a group of students (two to six members, no exceptions) developing an IT strategy for an organisation. The result of that work will be presented at the group work defence seminar.</p> <p>The grade is formed as follows: 100% The group has developed a thorough and relevant IT strategy. Neither the lecturer nor the seminar audience has fundamental doubts in the direction proposed and all questions receive a comprehensive answer 60%. Either the lecturer or seminar audience can seriously challenge the strategy developed in terms of applicability or correctness of direction. Answers to questions leave to be desired 20%. The strategy developed is unlikely to be applicable to the organisation or to be possible to implement. Questions do not receive answers.</p>
Grading criteria scale or the minimal level necessary for passing the subject:	<p>The exam (individual written analytic essay on a topic supplied by the lecturer) assesses the ability of the student to discuss IT strategy topics in a written format.</p> <p>It is graded as follows: 100%. The student demonstrates comprehensive understanding of all study outcomes 80%. The student has a grasp of the material provided but cannot apply it to synthesize new results 60%. The student has a grasp of key points of the material provided 40% The student lacks the grasp of the material provided but can supply satisfactory answers based on practical experience below 40% The student has no grasp of the material provided and does not display personal experience</p> <p>70% of the final grade is based on the group work and 30% on the exam results: $\text{final_percentage} = 0.7 * \text{groupwork_grade} + 0.3 * \text{exam_grade}$. The final grade is derived from the final percentage as follows</p> <p>„A” – outstanding 91-100% „B” – very good 81 - 90% „C” – good 71 - 80%</p>

	„D” – satisfactory 61 - 70% „E” – poor 51 - 60% „F” – failed 0 – 50%
Information about the course:	<ol style="list-style-type: none"> 1. 09.10. Introduction to subject. IT and business strategy, basics of software and system architecture 2. 23.10. Business planning. Software engineering. IT governance 3. 06.11. Sustainable development. IT and upstream complexity. Risk management 4. 20.11. Information security. Partner management. Quality management. Service level management 5. 04.12. Seminar: group work defence

Course programme

Teaching Unit in charge:	School of Digital Technologies
Course programme is prepared by:	Andres Kütt
Date:	23.08.2016

The course program is registered in the academic unit:

Date:	24.08.2016
Name of academic coordinator:	Ingrid Sander