IFI8108	(Individual Subject in the Area of Specialization) **Enterprise Arhitecture**		
ECTS credits: 5	Contact hours: 20	Semester: Spring	Exam
Course objective:	Students will acquire knowledge of creating, applying, maintaining Enterprise Architectures.		
Brief description of course content:	This course explores the design, selection, implementation and management of enterprise IT solutions. The focus is on applications and infrastructure and their fit with the business. Students learn frameworks and strategies for infrastructure management, system administration, data/information architecture, content management, distributed computing, middleware, legacy system integration, system consolidation, software selection, total cost of ownership calculation, IT investment analysis, and emerging technologies. These topics are addressed both within and beyond the organization, with attention paid to managing risk and security within audit and compliance standards. Students also hone their ability to communicate technology architecture strategies concisely to a general business audience. A special focus is put on the business-process and service aspect of enterprise architecture.		
Learning outcomes	A student: • Understand a variety of frameworks for enterprise architecture analysis and decision making. • Utilize techniques for assessing and managing risk across the portfolio of the enterprise. • Evaluate and plan for the integration of emerging technologies. • Manage proliferating types and volume of content. • Plan for business continuity. • Understand the core concepts of service- and business process architecture and their evaluation. • Understand the benefits and risks of service oriented architecture. • Understand the role of audit and compliance in enterprise architecture. • Understand the integration of enterprise systems with inter-organizational partners such as suppliers, government, etc.		

Assessment methods	Running project completion and written examination
Responsible lecturer	Alex Norta, PhD.
Title in Estonian	Ettevõttearhitektuur
Prerequisite course	-
Compulsory literature	Martin Op't Land, et al., Enterprise Architecture, Creating Value by Informed Governance, ISBN 978-3-540-85231-5, 2009 Lecture slides and links provided in it.
Subscription to the course and exam	Attending lectures is recommended. At a seminar: presentation/defence of the homework – attending is mandatory. A prerequisite for being eligible for taking an exam is a positive result for the homework.
Requirements for independent work	Group work: Development of an Enterprise Architecture for a company. Homework will be issued at the beginning of a term, and therefore, at the lecture, an Enterprise Architecture planning process is discussed.
Assessment criteria	Examination. 10 questions covering all the study results in the course. Assessment criteria for the exam according to the following scale: A – 91 and more points; B – 81 – 90 points; C – 71 – 80 points; D – 61 – 70 points; E – 51 – 60 points; F – less than 51 points.
Information about the content of the course	Duration of each class is four academic hours with the exception of 2nd March where 2 sessions merge into 8 hours (morning- and afternoon sessions). 1st contact (19 Jan, 2014) – Overview, introduction and why Enterprise Architecture. Challenges, stakeholders, approaches 2nd contact (2 Feb, 2014) – Positioning Enterprise Architecture: key concepts, benefits. 3rd contact (16 Feb, 2014) – Results of Enterprise

	Architecture. Example, frameworks, dimensions
	4th+5th contact (2 <mark>Mar</mark>, 2014) - Process of Enterprise Architecting. Core process, patterns, effectiveness and organizational context.