Subject code	Credits
INF5021	6

Course title in Lithuanian

IT PROJEKTŲ VALDYMAS

Course title in English

IT PROJECTS MANAGEMENT

Short course annotation in Lithuanian (up to 500 characters)

Šio tikslai du. Visų pirma, šis kursas yra skirtas būsimiems ar esamiems IT projektų vadovams, projektų dalyviams, kurie siekia pagilinti teorines žinias, susisteminti turimas ir įgytas žinias, metodiškai valdyti viešojo ir privataus sektoriaus IT projektus, norintiems lanksčiai organizuoti projekto komandos darbą ir naudoti išteklius, efektyviai bendrauti su projekto dalyviais, numatyti būsimus pavojus ir sumažinti jų įtaką, susipažinti su PMBOK, valstybės ir kitų IS kūrimo metodologijos, kurios padeda identifikuoti ir valdyti informacinių sistemų ir IT produktų reikalavimus. Antra, kursas yra įvadas į IS funkcijų organizacijoje vadybą. Pagrindinis dėmesys čia skiriamas valdymo klausimams ir problemoms, bei jų sprendimo būdams. Be to, svarstomi ir kiti susiję klausimai, kaip antai strategiškai naudoti informacijos technologijų paslaugų ir infrastruktūros su organizacijos tikslų yra pabrėžta. Šis kursas pateikią IT valdymo, IT vertė pristatymo, išteklių ir rizikos valdymo ir veiklos matavimo sistemos apžvalgą. suprasti, kaip ji veikia organizacijų ir kaip studentai galėtų naudoti ją praplėsti jų techninių ir valdymo įgūdžius jau įgijo.

Short course annotation in English (up to 500 characters)

There are two main goals of this course. First of all, this course is designed for prospective or existing IT project managers, project participants who seek to deepen theoretical knowledge, codify existing and obtained knowledge, methodical management of public and private sector IT projects, flexibility in project team work and using the resources to effectively communicate with the project participants, to provide imminent risks and reduce their influence, to introduce the PMBOK, the state and other IS development methodologies, which help the identification and management of information systems and IT products requirements. Second one, the course is an introduction into managing and leading the IS function within organizations. The focus is on management issues and problems. Issues such as the strategic alignment of information technology services and infrastructure with the organization's objectives are emphasized rather than details of the computing and communications technology that underlie information systems. This course gives an overview of the IT governance, IT value delivery, resource and risk management and performance measurement framework to understand how IT works in organizations and how students could use it to broaden their technical and managerial skills gained already

Prerequisites for entering the course

Basic knowledge of programming, program architecture, IT system creation.

Course aim

Provide the student with the theoretical and practical knowledge of IT project management in the context of the managing and leading the IS function within organizations.

Content

No	Content (topics)
1.	Projects and project management - concepts, standards, methodology. IT project specifics. Public and private sector IT project specifics. IT project types. The project manager's authority.
2.	IT project context: the project life cycle, project stakeholders and organizational environment. IT project management context: program, project portfolios, project management offices, sub-projects and the chain.
3.	IT project processes. Project initiation and planning. Project integration management. Project scope management, work breakdown structure. Project time management, project schedules and preparation.
4.	Human resource management in projects. Project team building and training. Project staff workload assessment and rescheduling. Project communication management.
5.	Project changes and control. Project risk assessment, risk response planning and management. Project quality control issues. Project supply management. Project completion.
6.	Project cost management and budget preparation. Creating of additional value for State / company / organization with IT projects.
7.	Definition of IT governance.
8.	IT governance focus – IT and business alignment, value creation, resource management, risk management and productivity management
9.	IT governance process groups and objectives.

10.	IT planning and organizing, acquisition and implementation
11.	IT delivery and support, monitoring and audit

Distribution of workload for students (contact and independent work hours)

Lectures	45 hours
Laboratory work	**15 hours**
Individual students work	**100 hours**
Total:	**160 hours**

Structure of cumulative score and value of its constituent parts

Final written exam (50%), mid-term written exam (20%), and assessments of practical and self-written work (30%).

Recommended reference materials

No.	Publication year	Authors of publication and title	Publishing house	Number of copies in		
				University library	*Self-study rooms*	*Other libraries*
Basic materials						
1.	2006	Projektų valdymas. B.Neverauskas ir kt.	Kaunas, "Technologija"	2		
2.	2009	A. Kaziliūnas, Strateginis projektų valdymas	Mykolo Romerio universiteto Leidybos centras	an open access		
3.	2000	A guide to the project management body of knowledge: PMBOK guide.	Project management institute	2		
4.	2013	Wallace, M. et al. IT Governance Policies & Procedures	Walters Kluwer	1		
5.	2008	Van Grembergen, W. Implementing Information Technology Governance: Models, Practices and Cases	IGI Publishing			
6.	2005	IT Alignment: Who Is in Charge?	IT Governance Institute			
Supplementary materials						
1.	2006	Van Bon, J. et al. Frameworks for IT management.	itSMF-NL			
2.	2005	Pearlson, K. E. Managing and Using Information Systems	John Wiley & Sons			
3.	2002	Cummins, F. A. Enterprise Integration: an Architecture for Enterprise Application and Systems Integration	John Wiley&Sons			

Course programme designed by

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