Subject code	ECTS credits
INF5021	6

Course title in Lithuanian

IT PROJEKTŲ VALDYMAS

Course title in English

IT PROJECT MANAGEMENT

Short course annotation in Lithuanian (up to 500 characters)

Šio kurso tikslai yra 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.

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.

Prerequisites for entering the course

Fundamentals 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.

Links between study programme outcomes, course outcomes and criteria of learning achievement evaluation

No	Course outcomes	Criteria of learning achievement evaluation	Study methods	Methods of learning achievement assessment
1.	Ability to analyse and to recognize public and private sectors needs for IT projects in the quickly changing cultural, economic and technological environment.	Student demonstrates the ability to present problems and suggested solutions (the mini project creation, cases study).	Lectures, practical works, individual work	Criterion-referenced tests, observations of student works and interviews
2.	Knowledge and understanding of mastering of each of the IT Project Management knowledge areas (Integration, Scope, Time, Cost, Quality, Human Resource, Communications, Stakeholders, Risk and	Student demonstrates the ability to describe the IT crisis and how the often dismal track record for information technology projects provides a motivation for changing how we view and manage IT projects. Student demonstrates the ability to explain the socio-technical, project management and knowledge management	Lectures, practical works, individual work	Criterion-referenced tests, observations of student works and interviews

	Procurement) and PM techniques.	approaches that support IT PM.		
3	Ability to manage complex projects involving strategic risks and aggressive time scales.	Student demonstrates his/her skills in analysing initiation documents and defining the elicitation approach, capturing, structuring, iteratively writing and refining use cases. Student demonstrates his/her skills in describing the project life cycle, the systems development life cycle and their relationship.	Lectures, practical works, individual work	Criterion-referenced tests, observations of student works and interviews
4.	Ability to critical analyse and to recognize public and private sectors needs for IT projects in the quickly changing cultural, economic and technological environment. Ability to justify an IT project by establishing a business case.	Student demonstrates the ability to describe the role and impact IT projects have on an organization, society (the mini project - case study).	Lectures, practical works, individual work	Criterion-referenced tests, observations of student works and interviews

Links between study programme outcomes and course outcomes

Study programme outcomes	Running number of course outcome			
	1	**2**	**3**	**4**
10. Work both independently and in an interdisciplinary team, generate ideas, integrate knowledge and skills	+		+	+
12. Make decisions independently	+	+	+	+
13. Take moral responsibility for the results of work	+	+		+

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 alignement, 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:	John Wiley&Sons			

		an Architecture for Enterprise Application and Systems Integration		

Course programme designed by

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