Subject code	Credits
INF3030	3

Title

IT PROJEKT   VALDYMAS

Title in English

IT PROJECT MANAGEMENT

Subject goal and annotation

Course objective - to provide comprehensive knowledge of modern business project management approach and develop practical skills to initiate, plan, organize and control complex and innovative projects and understand processes in organization, its composition and purpose. Course purpose - to nurture students knowledge, abilities to analyze project environment and possibilities as well as planing and directing project implementation. Also to nurture students knowledge to analyse organizational project management maturity and understand how to develop it.

Prerequisites

Not applicable

Relationship between the learning outcomes of the Programme and learning outcomes of the subject

Learning outcomes of the Programme	Learning outcomes of the subject	Criteria for measuring the achievement of learning outcomes
6. Knowledge of *Internet and multimedia products development*, their commercial and social impact.	Ability to discuss on the IT project management issues.	Extended IT project management vocabulary.
16. Project managing and collaborating in distributed multinational teams.	Understanding of the IT project management, standards and best practices	Proving the understanding of the IT project management standards and best practices during discussions.
18. Critical analysis of Internet and multimedia projects context and their influence to business, culture and society.	Understanding of the IT project function and value within organizations	Explanation of the IT project value within organizations.
19. Fast and efficient adaptation to the quickly changing cultural, economical and technological environment.	Working in team. Presenting results.	Case studies.

Subject content

	Lecture topics and contents	Hours
1.	Projects and project management - concepts, standards, methodology. The project manager's authority.	2
2.	IT project context: the project lifecycle, project stakeholders and organizational environment. IT project management context: program, project portfolios, project management offices, sub-projects and the chain	5
3.	IT project processes. Project initiation and planning. Project integration management .Project scope management, work breakdown structure. Project time management, project schedules and preparation	5
4.	Human resource management in projects. Project team building and training. Project staff workload assessment and rescheduling. Project communication management	5
5.	Project changes and control. Project risk assessment, risk response planning and	5

	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	5
7.	IT project specifics. Public and private sector IT project specifics. IT project types. The project manager's authority.	3
	Total	**30**

Practical work contents

Three groups of practical problems. All problems should be presented and described.
1. Modelling and analysis of concurrent systems using process algebra: simple systems, processes composition, properties checking, bisimulation and other equivalences.
2. Temporal logics: models, solving temporal logics problem.
3. Modelling, analysis and verification of concurrent systems using Uppaal: simple systems, concurrent systems, model checking, zones.

Evaluation of study results

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

Distribution of subject study hours

Lectures	30
Laboratory work	15
Individual studies (including studies in groups, preparation for the mid-term and final exams)	30
Total	**75**

Recommended literature

No	Authors of publication and title	Number of copies available		
		in the Library of VMU	*in specialized publication collections at VMU*	*in other libraries*
Basic materials				
1.	B.Neverauskas ir kt. Projekt valdymas. Kaunas, technologija. 2006	2		
2.	A. Kazili nas, Strateginis projekt valdymas. MRU, 2009.			open online access
3.	A guide to the project management body of knowledge: PMBOK guide. Project management institute, 2000	2	1	open online access
Supplementary materials				
1.	Wallace, M. et al. IT Governance Policies & Procedures. Walters Kluwer, 2013	1		

Subject prepared and coordinated by

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