RTU Course "Project Management"

12113 Vadības informācijas tehnoloģijas katedra

General data

Code	DOP711
Course title	Project Management
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Post-graduate Studies
Course type	Academic
Field of study	Business Management and Administration
Responsible instructor	Jānis Grabis
Volume of the course: parts and credits points	1 part, 2.0 Credit Points, 3.0 ECTS credits
Language of instruction	LV, EN
Possibility of distance learning	Not planned
Abstract	Project is an endeavor with defined start and finish aimed at producing a unique product or service. Project management uses a set of knowledge, skills, tools and technologies to achieve project objectives. Projects in engineering disciples are characterized by high degree of complexity and require systemic approach to their planning, execution and control. The course adopts the project life-cycle approach and covers all phases of the project execution. It focuses on formal and quantitative methods including computational tools used for successful project management.
Goals and objectives of the course in terms of competences and skills	The course objective is to attain skills, tools and methods required for systemic management of engineering projects.
Structure and tasks of independent studies	There are two courseworks devoted to project planning and to project control. Problems explored in the assignments are geared towards understandig of project management issues in information technology and logistics.
Recommended literature	Smith, N.J. (2008), Engineering Project Management, Wiley-Blackwell Kerzner, H. (2009), Project Management: A Systems Approach to Planning, Scheduling, and Controlling, Wiley Aaron Shenhar and Dov Dvir (2007), Reinventing Project Management: The Diamond Approach to Successful Growth and Innovation, Harvard Business Press Kathleen B. Hass (2008) Managing Complex Projects: A New Model, Management Concepts
Course prerequisites	-

Course outline

Theme	Hours
Introduction: Projects and projects management	2
Project initialization and scoping	4
Project team management	2
Project planning methods	8
Project management tools and information system	4
Project control	6
Risk management	4
Project evaluation and close-out	2

Learning outcomes and assessment

Learning outcomes	Assessment methods
Ability to identify project opportunities and to define project scope	Brainstorming session, assignment in project planning and exam
Ability to plan complex projects	Project planning assignment, exam
Ability to control and analyzed project execution	Project control assignment, exam
Ability to use project management information system	Laboratories
Ability to manage project risks	Laboratories
Ability to explain relationships among LSCM and project management	Exam
Ability to present project ideas and results	Assignment presentations

Study subject structure

Part	CP	ECTS	Hours per Week			Tests		
			Lectures	Practical	Lab.	Test	Exam	Work
1.	2.0	3.0	1.0	1.0	0.0		*	