

DESCRIPTION OF THE STUDY SUBJECT

Title

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| PROJECT MANAGEMENT |
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Scope of the subject

| Semester | Mode of studies | Structure* | | | | Total number of hours | Number of credits | Group and type of subjects |
|----------|-----------------|------------|----|----|----|-----------------------|-------------------|---|
| | | L | Lw | C | S | | | |
| IV | Full-time | 18 | 26 | 8 | 56 | 108 | 4 | Elective subjects for deepening in the branch |
| VI | Part-time | 12 | 12 | 28 | 56 | 108 | 4 | |

*L – lectures, PS – practical activities, seminars, LW – laboratory work, PR – practice, CP – course paper, C – consultations, S – self-study

Aim of the subject

To know the principles of project development, planning, implementation and assessment, project management tools.
 To plan, establish and effectively manage projects.

Necessary background knowledge for studying the subject

Students shall have heard the subject information technologies.

Content of the subject

| Title of the topic and description of the content | Number of contact hours | | | S | Total number of hours |
|---|-------------------------|-----------|----------|-----------|-----------------------|
| | L | Lw | C | | |
| 1. Project management. <i>The concept of the project. Types of projects and their impact on management. Project life cycle. Project scope management. Management of the duration of the project. Resource allocation. Project cost management. Project progress control. Risk management.</i> | 18 | - | - | - | 18 |
| Laboratory works: <ul style="list-style-type: none"> • drawing up of the project schedule, entering the work list, setting the duration of works; • identification of communication between tasks, creation of the overall task of the project, entering of notes, deadlines, recurring tasks, changing the time scale; • entering of resources and ascription of resources to tasks, entering of fixed and variable resource prices, entering of different rates; • entering of resources and their prices and their ascription to tasks, changing task communication using Lag and Lead times, review and analysis of task prices; • entering the contours of resources, solving conflicts of resources automatically and manually, presentation of critical works; • analysis of the project work plan and price and optimization: calculation of duration of works using PERT method, calculation of cost distribution by work phases and types of resources, the use of indicators; • performance of the project progress analysis using cost analysis, usage of project workflow paths; • identification of risk, drawing up and entering of the action plan to reduce risk, preparation of reports. | - | 24 | 4 | 26 | 54 |
| Individual practical work: <i>drawing up an individual plan of project time, resources and costs. Solution of resource conflicts. Analysis of work plan and price. Analysis of the project workflow. Preparation and printing of reports.</i> | - | - | 2 | 22 | 24 |
| Preparation for the defence of laboratory works and their defence | - | 2 | 2 | 8 | 12 |
| Total number of hours | 18 | 26 | 8 | 56 | 108 |

Assessment of learning outcomes

Ten-point criteria-based assessment system as well as cumulative assessment using individual cumulative index (ICI) are applied. The overall grade is the sum of grades for individual practical work (IND) and the defence of laboratory works (DLw) multiplied by weighted coefficients. $ICI = 0,4 IND + 0,6 DLw$.

Recommended literature

| Key literature | | | | | | |
|-----------------------|--------------------|--|---------------------------------------|---------------------------------------|----------------|-------------------|
| No. | Year of publishing | Author(s) and title of the publication | Publishing house | Number of copies and/or internet link | | |
| | | | | ŠSC library | Other premises | Other libraries * |
| 1. | 2012 | Krušinskas R. Projektų valdymas: pagrindiniai žingsniai nuo inicijavimo iki įgyvendinimo | Technologija | 1 | - | 2 |
| 2. | 2010 | Neverauskas B. Projektų valdymas: mokomoji knyga | Technologija | 1 | - | 2 |
| 3. | 2006 | Būda V., Chmieliauskas A. Projektų valdymas | Technologija | 2 | - | 27 |
| 4. | | www.vtc.com/products/Microsoft-Project-2007-Tutorials.htm | | | | |
| Additional literature | | | | | | |
| No. | Year of publishing | Author(s) and title of the publication | Publishing house and/or internet link | | | |
| 1. | 2009 | Mockevičienė E. Projektų rengimas ir valdymas. Mokymo priemonė studentams /failas/ | Šiaulių kolegijos leidybos centras | | | |
| 2. | | www.softwaretrainingtutorials.com/ms-project-2007.php | | | | |

* ŠAVB – Šiauliai Region Povilas Višinskis Public Library, ŠU – library of Šiauliai University

Required material resources and their short description

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| <ul style="list-style-type: none"> • Equipment (devices): computers (16 units), computers connected to the local network and connected to the Internet, multimedia projector, printer. • Software: MS Windows 10 or later, MS Office 2013 or later, MS Project 2013 or later. |
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The description prepared by:

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