



RTU Course "Economical Management of Civil Construction Projects"

22501 BUNĪ ekonomikas un vadīšanas katedra

General data

Code	IBO525
Course title	Economical Management of Civil Construction Projects
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Post-graduate Studies
Course type	Professional
Field of study	Social Science
Responsible instructor	Tatjana Tambovceva
Academic staff	Ineta Geipele
Volume of the course: parts and credits points	1 part, 4.0 Credit Points, 6.0 ECTS credits
Language of instruction	LV, EN, RU
Possibility of distance learning	Not planned
Abstract	Economic substance of a construction project and the most essential elements of building it up. The development of the economic substance in a construction project. The economic flexibility of a construction project and agents that influence it. Assessment of inflation and changes in prices for resources and integration of the obtained data in a construction project. Methods of economic management of projects in construction: comparison based assessments and application specifics.
Goals and objectives of the course in terms of competences and skills	Provide Knowledge on the Economic Content of Construction Projects, Economic Issues of Construction Projects Management and Methods of Management to promote the Realization of Set Targets.
Structure and tasks of independent studies	Based on a Self-Study Method, Students master the Theory on Economic Issues of Project Management in Construction and familiarize themselves with Economic Methods of Project Management, System of Figures to be used for the Evaluation of Management Results to be able to timely introduce Efficient Adjusting and/or Preventive Measures. During Practical Classes, Students are welcome to share their Opinion, analyse and evaluate Real-Case Situations and Theoretical Approaches in handling Theoretical and Practical Issues of Economic Management of Construction Projects.
Recommended literature	Geipele, I. Tambovceva t. Projektu vadīšana studijām un biznesam / Ineta Geipele, Tatjana Tambovceva. [Rīga] : Valters un Rapa, c2004 187, [2] lpp. : il. ; ISBN 9984768031. Авторский коллектив COBHET Balode, A., Projektu vadīšanas pamati [elektroniskais resurss] : studiju materiāls Lauksaimniecības fakultātes studentiem / Antra Balode ; Latvijas Lauksaimniecības universitāte. Lauksaimniecības fakultāte. Agrobiotehnoloģijas institūts. Jelgava : LLU, 2009. 1 CD-ROM ietverē ; ISBN 9789984399119. Uzulāns, Juris. Projektu vadīšana mūsdienu apstākļos : Microsoft Office Project / Juris Uzulāns. [Mārupe] : Drukātava, c2007. 102 lpp. : il. ; ISBN 9789984798349. Projektu vadīšanas rokasgrāmata / [Vadims Jerošenko ... [u.c.]]. Rīga: Dienas bizness, 2003. 1 sēj. (dal. pag.) Keoki Sears, Richard Hudson Clough, Glenn A. Sears. Construction project management: a practical guide to field construction management. - John Wiley and Sons, 2008. – 400 p. ISBN 047174588X, 9780471745884 Marilyn Klinger, Marianne Susong, American Bar Association. Tort Trial and Insurance Practice Section. - The construction project: phases, people, terms, paperwork, processes. - American Bar Association, 2006. – 330 p. ISBN1590317572, 9781590317570 Sidney M. Levy. PROJECT MANAGEMENT IN CONSTRUCTION. - McGraw-Hill Professional, 2006. – 402 p. ISBN 0071464174, 9780071464178 Основы Профессиональных Знаний и Национальные Требования к Компетентности (НТК) Специалистов по Управлению Проектами . - ЗАО «Проектная ПРАКТИКА». – 2010, 256 с. ISBN: 5-904574-03-1
Course prerequisites	Subject is based on knowledge acquired in previous study period

Course outline

Theme	Hours
Economic Management of Construction Projects: Concept and Technical and Economic Features.	2
Economic Content of Construction Projects: Analysis and Evaluation:	6
Methods of Assessing Qualitative and Quantitative Adequacy of Resources involved in a Project; Application of Methods	6
Planning Flow of Resources and Finances Involved in Construction Projects.	6
Planning Criteria and Norms.	6
Methods of Economic Management of Construction Projects: Shortages and Advantages.	6
Comparative Evaluation of Applications	8
System of Economic Figures of Project Management Results in Construction. Application.	8
Economic Measures of Adjustment and Prevention: Development and Application	16

Learning outcomes and assessment

Learning outcomes	Assessment methods
Analyze and evaluate the Economic Content of a Construction Project, compare Resources involved and define Costs of the Resources as compared to the Total Expenditure and Risk Influences.	Lectures, Consultations, Discussions, Exercises, Practical Tasks' Solving, Tests.
Be able to organize Flow of Finances and Resources involved in a Project as per Project Technical Specifications	Lectures, Consultations, Discussions, Exercises, Practical Tasks' Solving, Tests.
Master Methods of Economic Management of a Project in Construction, be aware of such Methods' Drawbacks and Advantages to ensure the Right Choice of the most efficient Economic Management for a Specific Project	Lectures, Consultations, Discussions, Exercises, Practical Tasks' Solving, Tests.
Know the System of Economic Indicators of the Project Management Results and be able to choose the most appropriate Indicators in Specific Circumstances.	Lectures, Consultations, Discussions, Exercises, Practical Tasks' Solving, Tests.
Be able to analyze and evaluate Economic Issues of Construction Projects at Different Project Realization Stages and develop Economic Measures of Adjustment and Prevention as required.	Lectures, Consultations, Discussions, Exercises, Practical Tasks' Solving, Tests, exam

Study subject structure

Part	CP	ECTS	Hours per Week			Tests		
			Lectures	Practical	Lab.	Test	Exam	Work
1.	4.0	6.0	2.0	2.0	0.0		*	