



RTU Course "Construction project risk and quality management"

22501 BUNĪ ekonomikas un vadīšanas katedra

General data

Code	IBO702
Course title	Construction project risk and quality management
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, 2.0 Credit Points, 3.0 ECTS credits
Language of instruction	LV, EN, RU
Possibility of distance learning	Not planned
Abstract	The goal of the subject is to provide necessary knowledge and skills about construction and real estate management project quality and risks management significance, aims and tasks.
Goals and objectives of the course in terms of competences and skills	Objective: to provide knowledge and skills about construction project risks and quality management. Tasks: • To know construction and real estate management project quality requirements and risks; • to know and be able to identify and structuring construction and real estate management project risk; • to know and be able to analyze and assess construction and real estate management project risks and management methods; • to provide knowledge about the quality problem recognition and identification, • to know and be able to use project quality management techniques; • to know quality plan development, performance controlling and supervision.
Structure and tasks of independent studies	Case studies, tasks.
Recommended literature	<ol style="list-style-type: none"> 1. Geipele I., Tambovceva T. Projektu vadīšana (studijām un biznesam). Rīga: Valters un Rapa, 2004.- 190. lpp. 2. Džounss Ričards. Projektu vadības pamati. Rīga: SIA Lietišķās informācijas dienests, 2008.- 224 lpp. ISBN: 9789984826059 3. "Harvard Business Review on" Projektu vadība. / Aut.kol.- Rīga: SIA Lietišķās informācijas dienests, 2007.- 164 lpp. ISBN: 978-9984-9952-0-5 4. Uzulāns J. Projektu vadīšana mūsdienai apstākļos. Rīga: SIA "Drukātava", 2007.- 102 lpp. ISBN: 978-9984-798-34-9 5. Barkley Bruce. Project Risk Management (Project Management). The McGraw- Hill Companies, Inc., 2004.- 260 p. ISBN: 007-143691-X 6. Chapman Chris, Ward Stephen. Project Risk Management: Processes, Techniques and Insights. John Wiley & Sons, 2004.- 420 p. ISBN: 0470-85355-7 7. Kloppenborg Timothy J., Petrick Joseph A. Managing Project Quality. Management Concepts, Inc., 2002.- 140 p. ISBN: 156-726-141-8 8. Morris Peter, Pinto Jeffrey K. The Wiley Guide to Project Control. John Wiley & Sons, 2007.- 236 p. ISBN: 978-0-470-22684-1 9. Mulcahy Rita. Risk Management, Tricks of the Trade for Project Managers/ by Rita Mulcahy, 2003.- 340 p. ISBN: 0-9711-647-9-7 10. Rose Kenneth H. Project Quality Management: Why, What and How. J.Ross Publishing, Inc., 2005.- 196 p. ISBN: 1-932159-48-7 11. Saporita Ron, Saporita Ronald. Managing Risks in Design & Construction Projects. – New York: ASME, Three Park Avenue, 2006.- 157 p. ISBN: 0-791-80243-4 12. Smith J.Nigel, Merna Tony, Jobling Paul. Managing Risks in Construction Projects. – India, Chennai: Blackwell Science Ltd., 2006.- 244 p. ISBN: 1-4051-3012-1 13. Верзук Эрик. Управление проектами. Ускоренный курс по программе MBA (The Fast Forward MBA in Project Management).- М: Диалектика, 2007.- 480 с. ISBN 78-5-8459-1106-3 14. Уэбстер Гордон. Планирование и управление проектами для менеджеров (Managing Projects at Work).- М: Дело и Сервис, 2006.- 272 с. ISBN 5-8018-0303-3, 0-566-07982-8 15. www.ortus.rtu.lv 16. Interneta resursi
Course prerequisites	Subject is based on the knowledge acquired in the bachelor studies and in 1st year master studies

Course outline

Theme	Hours
The tasks and objectives of the study course. Basic concepts.	2
Construction and real estate management project risks.	2
Construction and real estate management project risks management.	4
Construction and real estate management project risks assessment.	2
Construction and real estate management risks management, insurance types, importance in risk reduction	2
Construction and real estate management project quality management.	8
Construction and real estate management project quality management processes.	12

Learning outcomes and assessment

Learning outcomes	Assessment methods
Understanding of the construction and real estate management project quality and risk management role, objectives and targets.	Case studies.
To know and be able to define construction and real estate management project risks.	Case studies, tasks.
To know project risk management stages and sequence.	Case studies, tasks.
Be able to assess construction and real estate management project risks.	Case studies, tasks, test.
To know and be able to realize construction and real estate management project quality management processes.	Case studies, tasks, test.

Study subject structure

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