



RTU Course "Management of Ecological Systems"

22501 BUNĪ ekonomikas un vadīšanas katedra

General data

Code	IBO510
Course title	Management of Ecological Systems
Course status in the programme	Compulsory/Courses of Limited Choice; Courses of Free Choice
Course level	Post-graduate Studies
Course type	Professional
Field of study	Social Science
Responsible instructor	Ineta Geipele
Academic staff	Tatjana Tambovceva Jurijs Grizāns
Volume of the course: parts and credits points	1 part, 3.0 Credit Points, 4.5 ECTS credits
Language of instruction	LV, EN
Possibility of distance learning	Not planned
Abstract	Ecology, management, internal and external environment of ecology management systems, their interaction. Market systems and methods of an estimation of ecological effects (results) at investment projects.
Goals and objectives of the course in terms of competences and skills	The general objective of the course is to develop students' ability to identify existing and potential environmental conflicts emerged in the result of business activities, specific features of ecological system management and make administrative decisions towards the improvement of business operations.
Structure and tasks of independent studies	Students independently analyze and evaluate cases, make decisions and base them, take part in discussions.
Recommended literature	Belmane, I. Rokasgrāmata vides pārvaldības sistēmas ieviešanai atbilstoši ISO 14001 standarta prasībām : praktiski padomi un standarta prasību skaidrojumi / Inga Belmane, Karls Dalhammars. Lunda : International Institute for Industrial Environmental Economics, 2002. 197 lpp. ISO 14001 standarts. EcoBalt'2007. Starptautiskās konferences materiāli. 10-11 May 2007. - Riga: Intego Plus, 2007. Environmental engineering : fundamentals, sustainability, design / authors and editors, James R. Mihel-cic, Julie Beth Zimmerman ; contributing authors, Martin T. Auer ... [et al.]. Hoboken, NJ : Wiley, c2010. xxii, 695 lpp. : il., kartes, tab. ; ISBN 9780470165058 (hbk). Fränzle, S., Technische Umweltchemie : innovative Verfahren der Reinigung verschiedener Umwelt-kompartimente / Fränzle, Markert, Wünschmann. Landsberg am Lech : Ecomed Biowissen-schaften, c2005. xiii, 262 lpp. : il., kartes ; ISBN 3609163313. Geipele I., Tambovceva T. Stratēģiskās pārvaldības lēmumu pieņemšanas aspekti mārketingā // RTU starptautiskās zinātniskās konferences „Tautsaimniecības un uzņēmējdarbības attīstības problēmas” zinātniskie raksti. 17 May 2002. - RTU, 2003.- 81- 90 p. Materials of International Scientific Seminar „Development of innovative entrepreneurship based on knowledge management”. Riga: RTU.- 8 December 2006. RTU 47. Starptautiskā Inženierekonomikas fakultātes 40. gadadienai veltītās zinātniskās konferences ma-teriāli „Tautsaimniecības un uzņēmējdarbības attīstības problēmas”. 21-23 September 2006.- RTU, 2006. Sheldon, C. Environmental management systems [elektronisks resurss] : a step-by-step guide to imple-mentation and maintenance / Christopher Sheldon and Mark Yoxon. 3rd ed. London : Earthscan, 2006. xiv, 280 p. : ill. ISBN 6000001134 (e-book). Sheldon, Cr. Environmental management systems : a step-by-step guide to implementation and mainte-nance / Christopher Sheldon and Mark Yoxon. 3rd ed. London ;Sterling, VA : Earthscan, 2006. xiv, 280 lpp. : il. ; ISBN 9781844072576 (alk. paper). Tambovceva
Course prerequisites	Subject is based on knowledge acquired in previous study period

Course outline

Theme	Hours
Introduction. Content and Tasks of the Course. Correlation to other Business Management Disciplines	2
Essence and Importance of Ecological System Management, specifically	8
Corporate System of Ecological Management, Marketing and Auditing	8
Functional Peculiarities of Business Companies and their Integration in Administrative System	8
Ecological Information System in a Company: It's Essence. Ecological System Management - As an Element of Information Sy	6
Ecological Aspects of Business Activities Results	10
Ecological Accounting and Ecological Audit	6

Learning outcomes and assessment

Learning outcomes	Assessment methods
The specific goals of the course are to: be able to analyze and evaluate theoretical basics of ecologically oriented management	situation analysis

Know specific features of ecological management and be able to position it in an administrative system	situation analysis
Be able to evaluate the importance of environmental management standards for the system of ecological management	situation analysis
Be able to identify ecologically orientated problems of administration and solve them in order to improve company's status	situation analysis and management decision-making
Be able to see the benefits of economic and ecological results of ecological management	situation analysis and management decision-making, exam

Study subject structure

Part	CP	ECTS	Hours per Week			Tests			Tests (free choice)		
			Lectures	Practical	Lab.	Test	Exam	Work	Test	Exam	Work
1.	3.0	4.5	1.0	2.0	0.0		*			*	