



## RTU Course "Environmental Impact Assessment"

11509 Vides aizsardzības un siltuma sistēmu katedra

### General data

Code	EAS507
Course title	Environmental Impact Assessment
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Post-graduate Studies
Course type	Academic
Field of study	Environmental Engineering and Management
Responsible instructor	Dagnija Blumberga
Academic staff	Marika Roša Līga Lieplapa
Volume of the course: parts and credits points	1 part, 4.0 Credit Points, 6.0 ECTS credits
Language of instruction	LV, EN
Possibility of distance learning	Not planned
Maximum auditorium capacity	50
Maximum number of students per semester	50
Abstract	Origins of Environmental Impact Assessment (EIA). EIA procedure: legislative, policy and "middle ground" options. Project screening for EIA: methods and practice. Scope studies for Environmental Impact Statement (EIS). Preparation of EIS: planning, public participation. Review of EIS. Multidisciplinary team management: project management framework selection of study team, study approach and management. Examples of project EIS.
Goals and objectives of the course in terms of competences and skills	The goal of the course "Environmental Impact Assessment" is to provide students theoretical knowledge, practical process, terminology and methods of performing and producing an EIA.
Structure and tasks of independent studies	1. Giving out of course work and explanations. An example 2. Thematical group work - analysis of an existing EIA and assessment. 3. Participation in public discussions of a project XXX 4. Analysis of the results of public discussions. Presentation 5. Course work presentations
Recommended literature	Glasson, J., Therivel, R. and Chadwick, A. 2005. Introduction to Environmental Impact Assessment. 3rd edition. Routledge: Great Britain. ISBN 0-415-33837-9. European Commission. Guidance on EIA. EIS review, Luxembourg, June 2001 European Commission. Guidance on EIA. Screening, Luxembourg, June 2001  European Commission. Guidance on EIA. Scoping, Luxembourg, June 2001 Kļaviņš M., Roska A. Toksiskās vielas vidē. 1998. Kļaviņš M. u.c., Vides zinātnes, LU, 2008. Pazemes ūdeņu aizsardzība. Vides aizsardzības un reģionālās attīstības ministrija. 1998.
Course prerequisites	environmental management, environmental problems

### Course outline

Theme	Hours
Introduction to EIA. Screening and scoping	4
Evaluation and monitoring	2
Tools for impact assessment	1
GIS for EIA	2
Ecological aspects and landscape analysis	2
EIA for an object	8
Quality review	2
Preparation of EIA	2
Strategic EIA	2
International experience in EIA	1
Public discussions	1
National EIA bureau and its functions	2
Analysis of an existing EIA	2
Final discussions	1
Practical works	32

### Learning outcomes and assessment

Learning outcomes	Assessment methods
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Able to participate in preparation of an EIA	Examination: exam, practical works Criteria: able to identify the need for an EIA and what issues to be included
Able to participate in assessment of an EIA	Examination: exam, practical works Criteria: able to assess EIA and its concordance with normatives and other requirements
Knows the EIA terminology and evaluation methods	Examination: exam, practical works Criteria: able to use correct terminology and right EIA evaluation methods

***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		*	