

EUROACADEMY

Faculty of Environmental Protection

1. Name of the Curriculum	KESKKONNAKAITSE
2. Name of the Curriculum in English	ENVIRONMENTAL PROTECTION
3. Higher education level	<i>Master Studies</i>
4. Study form(s)	<i>Full-time study and part-time study</i>
5. Educational establishment	<i>EuroAcademy</i>
6. Volume of Curriculum (ECTS)	<i>120 ECTS</i>
7. Nominal duration of studies	<i>2 years</i>
8. Curriculum group	<i>Environmental conservation</i>
9. Curriculum code in Estonian Education Information System (EHIS)	<i>137097</i>
10. Language(s) of instruction	<i>English</i>
11. Other languages needed for achieving the study outcomes	
12. First registration of the Curriculum	<i>05.01.2012</i>
13. Date of approval of the curriculum version in the educational establishment	<i>25.08.2015 by EuroAcademy's Senate 25.08.2015 the NPO Eesti Euroinfo Ühing Managing Board</i>
14. Admission requirements	<i>Bachelor's degree, higher education obtained on the basis of curriculum of the professional higher education or equivalent qualification; interview; command of language of instruction B2 (intermediate level).</i>
15. Curriculum's major speciality (or specialities) and their volume (ECTS)	<i>Environmental protection (120 ECTS)</i>
16. Minor(s), other possible specializations and their volume (ECTS)	<i>Secondary specialty Environmental policy (45 ECTS). Is acquired upon completion of the special module (18.5 ECTS) and elective subjects (26.5 ECTS).</i>
17. Goals of the Curriculum	<i>To prepare specialists with the Master's degree able to work in charge of issues in the areas of environmental protection, nature protection and environmental management, in assessment of plans in the field of environment, as well as strategic assessment of environmental impact and assessment of environmental impact, to work in the area of environmental conservation, nature conservation and environmental protection in the respective agencies, authorities and companies, research and educational institutions. The objective of the secondary specialty is to diversify career options in the areas of policy and international activities. To acquire knowledge and competencies for research work and continuing studies in doctoral studies.</i>
18. Outcomes of study	<i>The following is acquired while completing the Master's study curriculum of Environmental protection</i>

	<ul style="list-style-type: none"> • <i>basic standpoints in theoretical ecology and environmental science;</i> • <i>strategic management, basics of strategic environmental assessment;</i> • <i>basics of sustainable development concept and principles of environmental policy (EU, countries of the Baltic Sea region, Estonia);</i> • <i>GIS software applications used in environmental protection and plans;</i> • <i>competencies in information collection, information searching, information processing and establishing databases required for planning, expert opinions and research work;</i> • <i>basics of environmental monitoring;</i> • <i>professional terminology in English and/or Russian;</i> • <i>knowledge and competencies for continuing studies in doctoral studies.</i>
19. Name of diploma or academic degree(s) upon graduation	<i>Master of Science in Natural Sciences, MSc, secondary specialty Keskkonnapoliitika, Environmental policy</i>
20. Documents issued upon graduation	<i>Master Diploma, Transcript of records, Diploma Supplement in English.</i>
21. Short description of the Curriculum structure	<p><i>The curriculum comprises the following modules:</i></p> <ul style="list-style-type: none"> - <i>Theory and research methods (16.0 ECTS)</i> - <i>Environmental policy (18.5 ECTS)</i> - <i>Environmental management (12.5 ECTS)</i> - <i>Monitoring of ecological resources (12.0 ECTS)</i> - <i>Practical training (9,5 ECTS)</i> - <i>Elective subjects (volume 93.5 ECTS), min 21.5 ECTS must be selected for main field of studies and secondary specialty – 26.5 ECTS</i> - <i>Optional subjects (5.0 ECTS)</i> - <i>Master thesis (25.0 ECTS)</i>
22. Options for completing the Curriculum	<i>During the studies subjects in the prescribed volume are selected from the module of elective subjects, as well as optional subjects from the curricula of EuroAcademy or any other establishment of higher education, incl. foreign universities that support the completion of the selected topic of the Master's thesis. In order to complete secondary specialty, subjects in the extent of 45 ECTS are selected in the field of environmental policy.</i>
23. Graduation requirements	<i>Completion of the full curriculum, incl. defending the Master's thesis that comprises research work equivalent to a scientific article on the subject and in the volume approved by the faculty.</i>
24. Additional information	<p><i>EuroAcademy, Faculty of Environmental Protection, Dean Jüri Martin, DSc Phone 6115 804 E-mail: jmartin@euroakadeemia.ee www.euroakadeemia.ee</i></p>

CURRICULUM MODULES, THEIR GOALS AND STUDY OUTCOMES

Name of Module: Theory and research methods		Volume: 16.0 ECTS
Goals	To make students familiar with various theories of disciplines within the limits of the specialty and to provide an overview of empirical and experimental research methods.	

Study outcomes	The students acquire theories of environmental science and related disciplines, methods of and skills in environmental research, they acquire a major part of professional terminology in English.	
Assessment of Module based on the general assessment system according to subjects		
Subjects		
Code	Name of subject	Volume ECTS
GMEN6020	Research methodology	3.0
EMEN1010	Research methods in the field of Environment	3.0
EMEN1020	Theoretical and indication ecology	4.0
EMEN1030	Professional Terminology of Environmental Protection in English	6.0

Principles of elective: compulsory module

Name of module: Environmental policy		Volume: 18.5 ECTS
Goals	To explain the philosophical essence of environmental policy and environmental strategies, their links to other areas of society (economic and social spheres, security issues etc.), factors and mechanisms serving as the basis of development of environmental policy on the national, regional and EU level.	
Study outcomes	The students acquire the basics of the environmental policy in the European Union, having evolved on the basis of the paradigm of sustainable development, policies of specific areas, environmental action plans (programmes) and regional and national environmental strategies. The students acquire competencies in the use of sources of environmental information.	
Assessment of Module: based on the general assessment system according to subjects		
Subjects		
Code	Name of subject	Volume ECTS
GMEN6110	Estonian Environmental Strategy and the use of natural resources	4.5
GMEN6100	EU environmental policy and state of environment	4.5
GMEN6040	Paradigm of sustainable development	4.5
GMEN6170	Environmental economics	3.0
EMEN1040	Seminars about Topical Environmental Events	2.0

Principles of elective: compulsory module. Secondary specialty Environmental policy is acquired upon completion of this module with an elective subject, minimum 26.5 ECTS.

Name of module: Environmental management		Volume: 12.5
Goals	To obtain an overview of the organisation of environmental and nature protection on the national, regional and EU level.	
Study outcomes	The students acquire the fundamentals of strategic management in the extent required for conducting strategic environmental assessment and environmental impact assessments, acquire knowledge in the organisation and management of environmental protection on various levels starting from enterprises, local and national governments to the EU level, acquire the basis of environmental technology and environmental quality management and the related legal basis.	

Assessment of Module based on the general assessment system according to subjects		
Subjects		
Code	Name of subject	Volume ECTS
EMEN1050	Environmental management	5.0
GMEN6080	Strategic management	4.5
GMEN6160	Space of environmental law and legal relations	3.0

Principles of elective: compulsory module

Name of module: Monitoring of ecological resources		Volume: 12.0 ECTS
Goals	To acquire an overview of the theoretical basis of environmental monitoring and methods and means of quality assessment of environmental components and elements as ecological resources.	
Study outcomes	The students acquire basics of environmental monitoring, methods of systematic quality assessment of the environmental components and respective devices, environmental quality modelling, mechanisms of preparing overviews and international cooperation in the area of environmental monitoring.	
Assessment of Module based on the general assessment system according to subjects		
Subjects		
Code	Name of subject	Volume ECTS
EMEN1060	Marine Monitoring	3.0
EMEN1070	Forest Monitoring	3.0
EMEN1080	Surface Water Monitoring	3.0
EMEN1090	Air Monitoring	3.0

Principles of elective: compulsory module

Name of module: Practical training EMEN4000		Volume: 9.5 ECTS
Goals	To develop the students' abilities and skills in collecting environmental information, processing, submitting and presentation thereof, incl. preparation of thematic lectures and learning materials.	
Study outcomes	The students prepare the report theses, short articles, lecture materials as multimedia presentations, they also prepare and present at student conference or other academic conference the results of their own or collective research work in the manner that complies with the level and volume of scientific reports. During the practical training in the specialty the students acquire competencies required for the performance of the selected work segment and tasks, the environmental functions of an enterprises or agencies and the guidelines are prepared for the completion thereof.	
Assessment of Module based on the general assessment system according to subjects		
Subjects		
Code	Name of subject	Volume ECTS
EMEN4010	Specialty Conference Reporting	3.0
EMEN4020	Lecturer training	2.5
EMEN4030	Practical training in the specialty	4.0

Principles of elective: compulsory module. Specialty-related lectures may be presented in EuroAcademy or another establishment of higher education, as well as at a conference (report may be given in EuroAcademy or another academic conference)

Name of module: Elective subjects		Volume 21.5 ECTS, Secondary specialty – 26.5 ECTS
Goals	To provide opportunities to students for acquiring additional knowledge in the narrow area addressing environmental issues that they have selected on the basis of foreign-language literature, to improve knowledge in the field of professional terminology in the foreign language. To provide basic knowledge and competencies required for the secondary specialty.	
Study outcomes	The students acquire knowledge in the area of their Master's thesis, experience in searching for information, literature in the foreign language and use of databases. Secondary specialty, in the extent of 45 ECTC, students acquire basic knowledge in environmental policy, the evolution, application, functioning and developments of the policy, systems of environmental management, legal and administrative structures.	
Assessment of Module As per subjects, basing on the general grading system.		
Subjects		
Code	Name of subject	Volume ECTS
Theory and research methods		
EMEN3010	Regional Ecoclimatology	3.0
GMEN6140	Innovation and Change Management	4.5
EMEN3020	GIS in environmental research	4.0
EMEN3030	Speciality Terminology in Estonian/Russian	5.0
Environmental policy (Select min. 26.5 ECTC for secondary specialty)		
GMEN6180	Modern Theories in International Relations	4.0
GMEN6150	Modern security policy	4.5
GMEN6010	Economic theory and policy	6.0
EMEN3040	Regulation of Environmental Risks	4.0
GMEN6120	International Environmental Co-operation in the Baltic Sea Region	3.0
EMEN3050	Energy Security	4.5
EMEN3060	Socio-Ecological Aspects of Urbanization	4.0
GMEN6130	Regional Aspects of Human Development	4.5
BMEN1010	Business English	7.5
RMEN1030	Specialty English of International Relations	6.0
Environmental management		
GMEN6070	Modern organisation and management theories	6.0
EMEN3070	Quality Management System of Environmental Laboratory	3.0
EMEN3080	Waste Management	3.0
EMEN3090	Environmental technology	5.0
GMEN6090	Human Resources Management	4.5
Monitoring of ecological resources		
EMEN3100	Landscape Geochemistry	4.0
EMEN3110	Natural Resources and Conservation	4.5

Principles of elective: in compliance with the Master's thesis or field of research. Secondary specialty Environmental Policy is acquired upon the completion of optional subjects of the module **Environmental policy** in the minimum extent of 26.5 ECTC.

Optional subjects		Volume: at least 5.0 ECTS
Goals	To provide an opportunity to the students to further their knowledge in the selected specialty or broadening their professional scope in the similar areas.	
Study outcomes	Promoting competence or acquiring additional competence in the areas similar to the students' own specialty on the basis of same level curricula in EuroAcademy or curricula of other universities, incl. foreign universities.	
Assessment	Based on the general assessment system according to subjects	

Principles of elective: selection of optional subjects in compliance with the curricula objectives and the faculty's research objectives

Master thesis EMEN7000		Volume: 25.0 ECTS
Goals	To secure the competencies in the environmental field acquired during the studies, to prepare a research work that complies with the requirements to research work and respective practices.	
Study outcomes	Master's thesis – independent research work on the subject approved by the faculty that is equivalent to the quality of a scientific article as to the extent and content.	
Assessment	Grade given at the defence A, B, C, D, E according to the established criteria	

Principles of elective: compulsory module

The subject of the Master's thesis and the supervisor is approved by the faculty council.
Dean Jüri Martin, DSc, Faculty of Environmental Protection, EuroAcademy