



UNIVERSITETI I EVROPËS JUGLINDORE
УНИВЕРЗИТЕТ НА ЈУГОИСТОЧНА ЕВРОПА
SOUTH EAST EUROPEAN UNIVERSITY

Study program **Environmental Management**

Faculty	Institute for Environment and Health
Study Cycle	Second Cycle (Postgraduate)
ECTS	60
Title	Master of Environmental Management
Accreditation archive number [60]	17-119/5
Accreditation date	18.10.2012

Description of the program

The study program aims to:

- Contribute to environmental trends developed in our society
- Foster public opinion for solving environmental problems
- Scientific Research.

Career

- With the completion of these studies students acquire 60 ECTS and may continue their postgraduate studies at those higher education institutions in the country and abroad who have harmonized equivalent and/or analog studies according to the Bologna process.

Learning outcomes

Knowledge and understanding

- Understand the natural processes that take place in the environment.
- Environmental topics such as the greenhouse effect, acid rain, air pollution.
- The importance of effective action to protect and improve the environment.

Applying knowledge and understanding

- Scientific research.
- Knowledge of environmental, economic and educational processes.
- Following the scientific global trends and solutions in the area of prevention of crime.

Making judgement

- Knowledge of concepts, strategies and possibilities of their application in solving certain problems in the field of environmental management.
- Understanding the mutual relationship between the society and the environment.

- Skills in collection, preparation, analysis and display of environmental data necessary for its management

Communication skills

- Ability to unambiguously exchange argued and supported findings and proposals with professionals and unprofessionals;
- Taking responsibility in common outcomes; maintaining and initiating activities.

Learning skills

- Formulate appropriate questions that will lead to successful study and research,
- Define such fundamental concepts as environment, society, development and technology, and application of local, national and global experience.
- Develop hypotheses based on balanced information, critical analysis and careful synthesis, and test them against new information, and personal experience and beliefs.

List of courses

Semester 1

- [6.0 ECTS] **Research Methodology**
- [6.0 ECTS] **Information Systems for Environmental Management**
- [6.0 ECTS] **Natural Resources**
- [6.0 ECTS] **Elective course 1**
- [6.0 ECTS] **Elective course 2**

Semester 2

- [24.0 ECTS] **Master Thesis**
- [6.0 ECTS] **Free elective course 1**

Description of courses

Core courses

- **Research Methodology**
The course objective is to acquaint students with the appropriate meanings of research methodology; Introducing the essence of scientific research, the research methodology, research procedure, types of research papers. Special attention is paid to students learning how to perform scientific research, proper interpretation and evaluation of research results as well how to write a scientific paper. Students are also familiarized with the procedure and the stages of writing the master thesis.
- **Information Systems for Environmental Management**
The course aims to acquire knowledge of the Information Technologies, risks and impacts on the environment and health, specific knowledge of the IT and ways to evaluate IT on economic aspect.
- **Natural Resources**
The course objectives are: - to provide students with advanced knowledge of the environment, introduction to natural resources and concerns over their availability and the dangers of pollution, - the human role as a key factor of environmental pollution and preservation as well as optimal management of the natural resources, - to create and develop good habits to help and protect the environment, to raise ecological awareness and to promote sustainable use of natural resources, - to acquire knowledge on national and global policies on environment (and natural resources), - management of natural resources as a condition for the sustainable development, - to provide students with opportunities to increase understanding on the national strategy of the RM on rational use of natural resources and sustainable development strategies.
- **Master Thesis**
After passing examinations, the student may begin the procedure of filing, making and public defense of thesis topic.

The student chooses the mentor, who gives him instructions for preparation of the application of master theses. The application must be granted by the Graduate Studies Educational Collegium and the Scientific and Academic Council of the Faculty. After preparing the final version of Masters Thesis, Academic-Scientific Council of Faculty forms a three-member committee, which prepares the report, which is may be accepted or rejected. The positive report is approved by the Academic-Scientific Council and it is set the date of public defense. After successfully defending the thesis, the student gains the degree - Master of Environmental Management.

Elective courses

- **Technological Development and the Environment**

The main purpose of this course is to provide students with knowledge on technological development and advanced technology used by world companies and their influence to the environment.

- **Environmental Law**

The purpose of this course is that: * Students acquire knowledge of environmental law, starting from international to national law. * Students increase understanding of the international framework, as well as norms and standards on the field of environment, and their implementation and compliance. * Studying environmental law will as an academic discipline, as well as its perspectives and conceptual theoretical and practical problems and concerns that are faced during the process of implementation of the environmental law. * Provide students with advanced knowledge on environmental law and develop their knowledge and skills.

- **Energy and Environment**

The purpose of this course is: Gaining of general knowledge about energy technologies, risks and impacts on the environment and health. Specific knowledge about energy and climate change and ways to evaluate energy technologies and economic aspect. Finally, placing the acquired knowledge in service of sustainable energy development is also treated.

- **Institutional Structure and Cooperation on Environment**

The main objective of this course is to develop knowledge on environmental decision-making institutions at national and international level, and to develop ecotourism. It also aims to see the institutional structure of these institutions and their mutual cooperation and collaboration with institutions from other fields.

- **Environmental Economy and Management**

The course aims to equip students with economic tools and methods for analyzing the fundamental environmental problems and strengthen and improve their skills. It is a combination of theoretical analysis with discussions of specific environmental policies. This course covers specific topics from microeconomic and macroeconomic analysis, problems of social costs, the policy of strengthening environmental benefits, etc.

- **Environmental Education and Sustainable Development**

The objective of this course is to raise environmental awareness and culture, and to acquire knowledge, values, skills, and building the right attitude towards the environment as one of the fundamental pillars of sustainable development.

- **Ecology and Environmental Protection**

The course is designed to help students understand the interaction of organisms and their environment, methods of pollution and protection, and opportunities for active involvement in environmental protection. It prepares students for further development of their studies but also for professional work in the field of ecology and environmental protection and promotion.

- **Selected Topics in IT Applications for Preparing a Scientific Paper**

The aim of this subject is: * To display the technical elements, the structure of the text and design of a scientific research. * To enable students to acquire advanced knowledge and skills from selected chapters of IT applications that will be needed in preparation of the scientific and research paper. * Practical application of these objectives in preparing student's individual research paper.

- **Applications for Statistical data Processing**

Целта на овој предмет е: * Да им се прикажат техничките елементи од областа на статистиката: организирање, обработка, споредување преку анализи и публикување на податоците. * Да им овозможи на студентите да се

стекнат со познавања и вештини од апликациите за статистичка обработка на податоци. * Практична примена на овие цели при статистичка обработка на податоците стекнати од прашалници, прилози, научни истражувања и друга документација.