



**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	120
Title	Master of Environmental Management
Accreditation archive number [120]	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 will acquire 120 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 nonprofessionals;
- 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] **Environmental Law**
- [6.0 ECTS] **Natural resources**
- [6.0 ECTS] **Technological Development and the Environment**
- [6.0 ECTS] **Free elective course 1**

### **Semester 2**

- [6.0 ECTS] **Information Systems for Environmental Management**
- [6.0 ECTS] **Energy and Environment**
- [6.0 ECTS] **Institutional Structure and Cooperation on Environment**
- [6.0 ECTS] **Environmental Education and Sustainable Development**
- [6.0 ECTS] **Free elective course 2**

### **Semester 3**

- [6.0 ECTS] **Environmental Economy and Management**
- [6.0 ECTS] **Environment and Sustainable Development**
- [6.0 ECTS] **Operational Management**
- [6.0 ECTS] **Strategic Competitive Analysis**
- [6.0 ECTS] **Elective course 1**

### **Semester 4**

- [30.0 ECTS] **Master Thesis**

## 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.

- **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.

- **Natural resources**

The acquisition of advanced knowledge on the object of study of Criminology and its main institutions, issues and contemporary trends and studying the influence of various factors in the commission of offenses, criminological examinations on the perpetrator and victim of crime and identification and criminological analysis of contemporary issues.

- **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.

- **Information Systems for Environmental Management**

The course aims to acquire knowledge of Information Technologies, risks and impacts on the environment and health, specific knowledge of IT and ways to evaluate IT in economic aspects.

- **Energy and Environment**

The purpose of this course is: Gaining 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 will also be examined. 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 the national and international level, and to develop ecotourism. The course also aims to see the institutional structure of these institutions and their mutual cooperation and collaboration with institutions from other fields.

- **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.

- **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.

- **Environment and Sustainable Development**

The course content includes: Interrelatedness: environmental interrelationships, environmental ethics; Ecological principles and their application: interrelated scientific principles, interactions, kinds of ecosystems and communities, population principles, human population issues; Energy: energy and civilization, energy sources, nuclear power; Human influences on ecosystems: human impact on resources and ecosystems, land- use planning, soil and its use, agricultural methods and pest management, water management; Pollution and policy: risk and cost, air pollution, solid waste management; hazardous and toxic wastes; geology and nonrenewable minerals; environmental hazards and health; climate change and ozone depletion; biodiversity. Background to sustainable development and global environmental issues, humans and sustainability, ecology and sustainability, human population and urbanization, sustaining resources and environmental quality.

- **Operational Management**

The basic purpose of this course is to provide students with a broad understanding and knowledge of several operations management concepts. Such concepts include (but are not limited to) operations strategy, process design, forecasting, inventory management, scheduling, and quality management. Emphasis will be placed on the application of these concepts to actual business situations. Upon completion of this course, the student should be able to: [?] Understand the dynamics of operations strategy and be able to develop one for a company \* Understand and apply the concepts of process improvement and reengineering; \* Be aware of the various manufacturing technologies and their purposes; \* Understand the importance of quality management and statistical process control; \* Be able to recommend a location for a facility and design its layout; \* Be able to use a variety of forecasting techniques; \* Know the differences between push and pull systems; \* Understand project management and be able to apply project scheduling techniques;

- **Strategic Competitive Analysis**

This course takes a formal approach to the study of Industrial Organization. It analyzes the way firms make production and sales decisions and interact strategically with each other in the marketplace. The course is divided into four parts. We start by studying optimal pricing policies, including versioning, bundling, and related market segmentation strategies in the first two parts of the course. We then apply game theory to the study of oligopoly interaction, focusing on pricing and output strategies in a dynamic setting. In the final part of the course, we analyze strategies for firm dominance, especially through the deterrence of potential competition. The main goal of the course is to develop the basic intuition for pricing and other forms of strategic behavior on the part of firms, both when faced with complex patterns of consumer demand and when faced with strategic competitors. Readings in the textbook will provide background and introduction to a variety of topics, many of which will be covered in class in greater depth. Lectures, problem sets and exams will focus on formal analysis. There will be a class project focused on cartels and mergers and acquisitions. Occasional supplemental readings will provide additional motivation and opportunities to develop intuition.

- **Master Thesis**

This module enables students to transfer their skills and knowledge to research and make more complex task of the master thesis. The module is designed to be fully practical and students to acquire the necessary knowledge and skills to approach writing the thesis. The module has unique return result-to enable students to write the master thesis with minimal difficulties, and with maximum efficiency. The course aims to improve research techniques and style of writing paper, taking account to stop illegal means, such as plagiarism and infringement of copyright, which are prohibited by the Statute of SEEU.

## **Elective courses**

- **Rhetoric**

During its long history of 2,500 years, rhetoric was used to indicate many different things; but rhetoric nowadays is considered as the art of persuasion through language. Rhetoric marks the way that an individual is linked to a particular theme or idea in order to convince the others. Rhetoric is characterized by several distinguishing features.

- **Multilingualism and multiculturalism**

The purpose of this subject will be multilingualism in multicultural societies as a social phenomenon. This phenomenon is massive in the world. During the lectures, more precise terms such as monoculturalism and multiculturalism will be considered. The term 'linguistic nationalism' has at least two forms of this nationalism, which collide with each other: for the leaders of the most powerful countries nationalism means expansion, and for minorities it takes the form of defiance and struggle for the affirmation of identity, despite such pressure. The emphasis during the program will be multiculturalism in education. In the schools curricula consists of contents from

different cultures.

- **Selected Chapters of Advanced 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 advanced 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.

- **Selected Chapters of Advanced Applications for Statistical Data Processing**

The aim of this subject is: \* To display the technical elements in the field of statistics: organizing, processing, comparing through analysis and publication of data. \* To enable students to acquire advanced knowledge and skills from selected advanced chapters of the applications for statistical data processing. \* Practical application of these objectives in statistical processing of data obtained from questionnaires, reports, scientific studies and other documents.

- **Professional Communication**

The course is focused on the development of those communication skills that are essential for effective functioning in the professional world. Students will study the process for analysis of different communication situations, and will accordingly comprehend them. Among the themes that will be covered are communication in organization, interpersonal and group communication, oral presentations, interviews for employment, professional business letters and interpersonal skills including group dynamics and teamwork.

- **Methodology of Teaching**

The aim of the course is to introduce the students to the basic teaching approaches and methods. They are expected to gain knowledge and skills in order to be able to apply the active educational tools. The course also offers development, learning and teaching as concepts and basic practices that allow teachers to teach about the development of thinking. Throughout this course, students will gain both theoretical background and entirety of strategies that will enable them to reflect and develop both their own and their students' critical thinking.

- **Critical thinking and ethics**

This course aims to increase the student level of moral awareness by providing them with the frameworks to make moral and ethical decisions within organizations. The course will also introduce students to the communication code of ethics and will discuss the ethical dilemmas on using Information Technologies. Critical thinking will be taken in consideration, as the process by which we develop and support our beliefs, and evaluate the strength of arguments made by others in real-life situations.

- **Management Information Systems**

The course aims to provide knowledge of Information Technologies (IT) applications in addressing environmental resources problems. Furthermore, the course stresses the risks and impacts IT brings on health and environment. Specific methodologies for evaluating IT from the economic and environmental aspect are also covered.