

Environmental Management Course

<i>Name of the subject:</i> Environmental Management - BSc	<i>SUBJECT code:</i>	<i>Weekly hours:</i> 2 (lectures)	<i>Credit:</i> 6 ESPB
<i>Subject leader:</i> Danijela Voza	<i>Academic Degree:</i> Assistant Professor	<i>Prerequisites:</i>	

Purpose

Introducing students of management with theory and practice of solving problems in the area of environmental protection. Learn how to create a better environment for people while sustaining biodiversity and world resources, plus the knowledge and skills needed to tackle environmental issues and develop sustainable solutions.

Course description:

This course is composed of theoretical lectures aimed to introduce students with different tasks and possible situations in environmental management. The lectures examine the nature, scope and role of environmental management, with a special focus on sustainable development. Perspectives of various participants in environmental management (increased involvement of social scientists, lawyers, business, politicians and economists) are also considered. The course present an interdisciplinary and applied set of lectures which outline some of the main decision-making frameworks and tools for environmental management. The program also provides discipline-specific knowledge relevant to work in environmental professions.

Schedule

Weeks	Topics
1.	Introduction to environmental management
2.	Environmentalism, environmental values, social sciences, economics and environmental management
3.	General thoughts on sustainability and environment
4.	Basic ecological concepts
5.	Classification of natural resources – The Atmosphere and climate change
6.	Water resources and land based resources
7.	Colloquium and Presentation of seminar project
8.	Impacts of human activities on the environment
9.	Environmental management approaches
10.	Standards, monitoring, modeling and auditing
11.	Environmental responsibility of business and industry organizations as target public
12.	Pollution and waste management
13.	Environmental policy: conflict, cooperation and ethics
14.	Global challenges

Final grade:

10pt – class attendance – lectures; 10pt - Seminar Project; 20pt – colloquium; 40pt – final exam (<51pt fail; 51-60 grade 6; 61-70 grade 7; 71-80 grade 8; 81-90 grade 9; 91-100 grade 10)

Compulsory literature:

Barrow, C.J.; Environmental Management for Sustainable Development. 2nd Edition, Routledge, London; New York, 2006.

Supplemental literature:

I.V Murali Krishna Valli Manickam. Environmental Management Science and Engineering for Industry, 1st Edition. 2017. Elsevier.

Timothy O'Riordan Environmental Science for Environmental Management, 2nd Edition. 2000. Routledge.