

Study program: Business Economics and Entrepreneurship (180 ECTS); Finance banking and insurance (240 ECTS)			
Type and level of studies: Basic academic studies, first level of studies			
Course title: ECOLOGICAL MANAGEMENT			
Professor: Vujičić Slađana			
Course status: elective			
ECTS Points: 7			
Condition: Enrolled VI semester, selected course, successfully completed pre-exam obligations			
Objective: Transferring knowledge to students about the importance of spatial planning, management systems and environmental impacts through key integration and functional linking of various scientific disciplines (natural and social), in environmental protection, as a basic precondition for proper understanding and training of students for: protection, control, management and conservation of the environment (eco-systems and biodiversity) and creation of investment projects based on sustainable economic development.			
Outcome of the course: After passing the exam, theoretical, practical and applied knowledge and skills have enabled the student to have proper behavior in relation to the environment during professional engagement.			
Contents of the course			
<p>Theoretical classes. Basic problems in the field of environmental protection, forms of pollution and their influence on the biosphere. Air pollution: types, sources and consequences. Water pollution: forms, sources and consequences. Pollution and soil degradation. Noise as a form of pollution of the environment. Radiation pollution. Control of air pollution and water. Reduction of solid waste. The impacts of process technologies on the spheres of the environment and ways of controlling and reducing these impacts. Technology and environmental pollution. Classification of forms of environmental pollution. Legislation. Natural and artificial sources of pollution. Ecosystems. EU Environmental Management and Control System (EMAS). Sustainable Development. System approach to organization of environmental protection (forms and functions of organizational systems and subsystems; forms: state administration, agency, enterprises; functions: planning, financing, realization, control, information system, administration). Environmental management (levels, area of responsibility and function of the management structure; information management support system). Ecological standardization (ISO 14,000 system of cavities). Energetic efficiency.</p> <p>Practical teaching. Eco systems, biodiversity, ecological disasters, models of functional and spatial organization of protection; operational strategies; prevention and protection measures; mapping of pollutants; ecological balance. Waste as a resource and recycling processes. Case studies of pure (green) technologies. Quality and eco-management - strategy and vision. Energy passport. Preparation of colloquium and exams. Evaluation of realized teaching and analysis of its results.</p>			
References:			
[1]. Tomić A., (2011), Environmental Management, High School for Business Economics and Business, Belgrade.			
[2]. Ricklefs R, Relyea R. (2013), The Economy of Nature. 7 edition. W. H. Freeman; N.Y.			
[3]. Harris JM, Roach B., (2013), Environmental and Natural Resource Economics. 3 edition. Armonk, N.Y.			
[4]. Batty LC, Hallberg KB., (2010), Ecology of Industrial Pollution, 1 edition. Cambridge University.			
[5]. UN Documents: Agenda 21, Kyoto Protocol, UN Declaration from a meeting in Kobe			
Number of active classes		Theoretical classes: 2	Practical classes: 2
Methods of teaching:			
Lectures are auditory, and they are performed at the amphitheater with all students. Exercises are conducted by groups of students in classrooms: (1) as auditory, where further topics are discussed; (2) as, discussions for the realization of a case study of pure (green) technologies;			
Knowledge assessment (maximum number of points 100)			
Pre-exam obligations	Points 50	Final exam	Points 50
activity during lectures	20	Oral exam	50
colloquium-first	15		
colloquium-second	15		