

Study program: Bachelor academic studies: ECOLOGICAL ECONOMICS (BASEE)			
Type and level of studies: Bachelor academic studies, I level			
Subject name: Water Resource Management		Subject code	6E2UVR
Professor: <u>dr. Nebojša Knezević, assistant professor</u>			
Subject status: Elective			
Number of ECTS points: 6			
Condition:			
Subject goal Introducing students with hydrosphere the genesis and evolution of hydrographic objects, the physio-chemical properties of water, the living world of water ecosystems, and the influence of abiotic-biotic factors on aquatic ecosystems. The focus of the program is getting to know the composition, function and status of aquatic ecosystems, with factors that threaten them and the possibilities of their preservation and revitalization.			
Subject outcome Students are able to understand specificity and the importance of hydrographic facilities and water ecosystems, the importance and methods in preserving natural water ecosystems.			
Subject content <i>Theoretical classes:</i> General information about hydrology and the most important properties of water. The importance of water for the organisms and the biosphere. Physical-chemical properties of natural waters. The origin and arrangement of water on Earth. Seas and oceans. Sea and ocean community. Inland waters. Running waters and their ecosystems. Lakes and lake ecosystems. Ponds, swamps, marshes and their ecosystems. Spatial distribution of communities of inland surface water. Types of pollution of inland waters. Biological effects of sea and inland pollution. Self-purification of aquatic ecosystems. Methods of water purification. International, strategic and legal aspects of water preservation and their living world. <i>Practical classes:</i> The analysis of contemporary examples of water treatment facilities as well as the Directive 2006/06 / ECO meaning of water for sustainable development and quality of life. Analysis of the cause of the pollution of water ecosystems and processes which are implemented into disposal and purification of water.			
Literature: 1. Амидић, Л. (2012, 2013): Екохидрологија. Скрипта. Универзитет Сингидунум, Факултет за примењену екологију Футура, Београд. 2. Дукић, Д., Гавриловић, Љ. (2006): Хидрологија. Завод за издавање уџбеника. Београд. 3. Гргинчевић, М., Пујин, В. (1998): Хидробиологија, прирчник за студенте и последипломце. Еколошки покрет града Новог Сада. Нови Сад. 4. Богнер, М., Станојевић, М. (2006): О водама : теорија, прописи и примери из праксе. Ета. Београд.			
Additional literature: 1. Почуча, Н. (2008): Екохидрологија. Грађевинска књишка. Београд. 2. Цвијан, М. (2000): Екологија загађених средина, биоиндикатори и мониторинг систем. Скрипта, I. Биолошки факултет Универзитета у Београду. 3. Newman, I. E. (2000): Applied Ecology & Environmental Management. Blackwell Science. Oxford.			
Number of active teaching classes			Other classes:
Lectures: 3 (45)	Practice:	Other class forms: 2 (30)	
Teaching methods: Theoretical and practical classes, consultations, examination through colloquiums and practicing methodology of setting and processing tasks through seminar paper.			
Knowledge evaluation (maximum number of points is 100)			
Pre-exam obligations	points	Final exam	points
Activity during classes	10	Written exam	30
Colloquium	20	Oral exam	20
Seminar paper	20		