

NAME OF THE COURSE		ENVIRONMENTAL ECONOMICS				
Code		Year of study	1, semester I			
Course teacher	Maja Fredotović, PhD, Full professor	Credits (ECTS)	5.0			
Associate teachers		Type of instruction (number of hours)	L	S	E	F
			30	5	10	
Status of the course	compulsory	Percentage of application of e-learning	/			
COURSE DESCRIPTION						
Course objectives	According to the labor market needs, the objectives of the course is to teach functions and services of the environment, environmental value, methods of evaluation, environmental sustainability as a part of development projects and strategies, limited resources, the impact of water management policy on the society and economy.					
Course enrolment requirements and entry competences required for the course	Undergraduate qualification (6th level of EQF or CROQF).					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<p>The student will:</p> <ul style="list-style-type: none"> - Conclude about the environmental functions and services, especially those related to the water resources; - Identify and differentiate particular values of the environment; - Formulate total environmental value in each particular case; - Assess available evaluation methods and design appropriate evaluation methodology in each particular case; - Decide about the environmental sustainability of development projects and strategies; - Apply various concepts of measurements of limited resources and assess their impacts; - Evaluate and compare different policies in water management regarding their social and economic impacts. 					
Course content broken down in detail by weekly class schedule (syllabus)	<p>Notion and historical path of the environmental economics. Relations between environmental economics and environmental policy.</p> <p>Environment: notion, classification of environmental resources and services.</p> <p>Notion of public good. Environment and environmental services as public good. Property rights and the environment.</p> <p>Externalities: notion, assessment, internalization.</p> <p>Value of environment as public good. Concept of utility.</p> <p>Elements of environmental value. Direct and indirect use values of the environment. Optional value. Bequest value. Existence value.</p> <p>Methods for assessing economic value of the environment and estimation of environmental damages. Revealed preference methods. Stated preference methods. Contingent valuation. replacement costs. Response costs. Opportunity</p>					

	<p>costs.</p> <p>Development projects and environmental impact assessment. Cost-benefit analysis.</p> <p>Strategic environmental assessment.</p> <p>Economics of natural resources: renewable and non-renewable resources.</p> <p>Measurement of and solutions to the limited resources problem. Water footprint.</p> <p>Case studies: policies and practices in water management and their impact on economy and society.</p>					
Format of instruction	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input type="checkbox"/> <i>on line</i> in entirety <input type="checkbox"/> partial e-learning <input type="checkbox"/> field work			<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia <input type="checkbox"/> laboratory <input type="checkbox"/> work with mentor		
Student responsibilities	Preparation of an assignment.					
Screening student work (<i>name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course</i>)	Class attendance	1.5	Research		Practical training	
	Experimental work		Report			
	Essay		Seminar essay	2.0		
	Tests	0.5	Oral exam	0.5		
	Written exam	0.5	Project			
Grading and evaluating student work in class and at the final exam	Tests (40%), Seminar essay (10/), final oral exam (50%)					
Required literature (available in the library and via other media)	Title				Number of copies in the library	Availability via other media
	M. Fredotović: lectures given as ppt files;					
	Črnjar, M.: <i>Ekonomika i politika zaštite okoliša</i> , Ekonomski fakultet Sveučilišta u Rijeci i Glosa Rijeka, Rijeka, 2002					
	Markandya, A.; Harou, P.; Bellu, L.G.; Cistulli, V.: <i>Environmental Economics for Sustainable Growth - A Handbook for Practitioners</i> , Edward Elgar Publishing Limited, Chetlenham, UK, 2002.					
	Pearce, D.; Pearce, C.; Palmer, C.: <i>Valuing the Environment in Developing Countries</i> , Edward Elgar Publishing Ltd., Cheltenham, 2004.					
Optional literature (at the time of submission of study)	Kessler, J.J. et al.: <i>Booklet with theoretical background to Strategic Environmental Analysis (SEAN)</i> , SNV Netherlands Development Organisation, Breda, The					

programme proposal)	<p>Netherlands, 2002.;</p> <p>Hoekstra, A.Y.; Chapagain, A.K.; Aldaya, M. M., Mekonnen, M.M.: <i>The Water Footprint Assessment Manual – Setting the Global Standard</i>, Earthscan, London, Washington DC, 2011.</p> <p>to be further defined in accordance with student's particular interests</p>
Quality assurance methods that ensure the acquisition of exit competences	<p>Quality assurance will be performed at three levels:</p> <p>(1) University level, through questionnaires; (2) Faculty level by Quality Control Committee; (3) Lecturer's level.</p>
Other (as the proposer wishes to add)	