

COURSE TITLE		Environmental Economics				
Code	EUE312	Level of study	graduate			
Course teacher	Professor Maja Fredotović Assistant Professor Slađana Pavlinović	Credits (ECTS)	5			
Associate teachers		Type of instruction (number of hours)	L	S	E	F
			26		26	
Status of the course	-	Percentage of application of e-learning	40%			
COURSE DESCRIPTION						
Course objectives	Develop the ability to apply economic concepts and regularities in analysis of and solutions to the environmental problems. Develop skills in implementing environmental valuation methods (estimation of the impacts that development projects and strategies might have on the environment). Acquire basics of economic analysis of environmental policies. Interdisciplinary approach and team work.					
Course enrolment requirements and entry competences required for the course	<p><b>Course signature requirements:</b> as determined by the Statute of the Faculty of Economics and Rules and Regulations for Studies and Study Programmes.</p> <p><b>Entry competencies:</b> English language proficiency level B2-C1 (CEFR) and computer skills (Microsoft Office Package).</p>					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<p>To develop an outline of environmental evaluation on chosen case study. Recommend the environmental policy instrument(s) for solving the identified environmental problem(s).</p> <ol style="list-style-type: none"> <li>1. Classification of different environmental values.</li> <li>2. Comparison of different methods of environmental valuation.</li> <li>3. Identification of (environmental) costs and benefits of chosen project.</li> <li>4. Estimation of the effectiveness of particular environmental policy instrument(s).</li> <li>5. Comparison of different environmental policy instruments using CBA method.</li> </ol>					
Course content broken down in detail by weekly class schedule (syllabus)	Lectures		Exercises			
	Topic	H	Topic	H		
	Notion, structure and functions of environment.	2	Case studies – functions of environment	2		
	Economics of environment – scope, development and role of the discipline	2	Ecological economics vs. environmental economics	2		
	Notion of public good. Environment as public good	2	Case studies – public goods vs. common resources	2		
	Environmental value – notion and types	2	Purpose of environmental evaluation - CBA	2		
	Classification of environmental valuation methods. Willingness to pay and environmental demand curve.	2	Environmental valuation methods in practice (market valuation, cost substitution, defensive costs)	2		
	Revealed preferences methods: travel costs method	2	Case studies.	2		
	Revealed preferences methods: Hedonic method	2	Case studies.	2		

	Stated preferences methods: Contingent valuation method; Choice modelling	2	Stated preferences methods – case studies (adequacy of implementation of particular method in relation to the environmental value type)	2		
	Economics of natural resources – renewable resources, non- renewable resources	2	Project tasks – task identification and elaboration. Setting up the teams.	2		
	Sustainable development and environment	2	Elaboration of projects. Presentations and discussion.	2		
	Policy, measures and instruments of environmental protection	2	Elaboration of projects. Presentations and discussion.	2		
	Economic instruments for environment protection.	2	Elaboration of projects. Presentations and discussion.	2		
	Criteria for choosing proper instruments for environment protection and quality of living	2	Presentations of finalised projects.	2		
Format of instruction	<input type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> on line in entirety <input type="checkbox"/> partial e-learning <input type="checkbox"/> field work		<input type="checkbox"/> independent assignments <input type="checkbox"/> multimedia <input type="checkbox"/> laboratory <input type="checkbox"/> work with mentor <input type="checkbox"/> (other)			
Student responsibilities	Students taking this course are expected to attend classes and to complete the assigned tasks. Regular class attendance is expected of all students taking this course (minimum 50%). Also, students must regularly present their projects. Any violation against this rule may cause the ineligibility to take the final exam.					
Screening student work (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)	Class attendance	1,75 ECTS	Research		Practical training	
	Experimental work		Report		(Other)	
	Essay		Seminar essay		(Other)	
	Tests	2ECTS*	Oral exam	2ECTS*	(Other)	
	Written exam		Project	1,25ECTS	(Other)	
Grading and evaluating student work in class and at the final exam	<p>There will be a mid-term and an end-term test organised. Only students who have passed the mid-term test will be allowed to take the end-term test. Alternatively, students can take the final (oral) exam which will be organised during the examination period.</p> <p>*Students who have passed mid- and end-term tests, do not have to take the final oral exam.</p> <p>The results of the two tests (mid- and end-term) or oral exam, as well as that acquired for the project, will be averaged into the final grade.</p>					
Required literature (available in the library and via other media)	<b>Title</b>			<b>Number of copies in the library</b>	<b>Availability via other media</b>	
	Tietenberg, T. and Lewis, L. Environmental and Natural Resource Economics, global ed., 10th edition., Pearson, 2014.			2		
	Claude, H., Rockström, J. and Stern, N.: Standing Up For a Sustainable World, Elgar Online, 2020				online	
	Improving resource efficiency and the circularity of economies for a greener world, OECD Environment Policy Paper no 20, 2020				online	

	Key Elements of the Circular Economy, draft, February 2021, Circle economy		online
	Teaching materials		intranet
Optional literature (at the time of submission of study programme proposal)	European Environmental Agency database ( <a href="http://www.eea.europa.eu/themes/policy">http://www.eea.europa.eu/themes/policy</a> )		
Quality assurance methods that ensure the acquisition of exit competences	<p>Registering students' attendance and success in carrying out of their duties (lecturer).</p> <p>Monitoring lectures and practice sessions (Vice Dean for Education).</p> <p>Students' Performance analysis in each course (Vice Dean for Education).</p> <p>Student questionnaire on the quality of lecturers and lessons for each course (University of Split, Quality Assurance Centre).</p> <p>Examination is used as an instrument to evaluate individual course outcomes by the course lecturer. The content of exam is reassessed periodically in order to assure compliance with the course outcomes.</p>		
Other (as the proposer wishes to add)	The course is taught in Croatian and/or in English.		