

COURSE UNIT (MODULE) DESCRIPTION

Course unit (module) title	Code
Environmental Economics	

Academic staff	Core academic unit(s)
Coordinating: prof. dr. S. Žičkienė	Šiauliai Academy Regional Development Institute,
Other: prof. dr. Ingrida Šaulienė	Vytauto str. 84

Study cycle	Type of the course unit
First	Interdisciplinary studies

Mode of delivery	Semester or period when it is delivered	Language of instruction
Face-to-face / distance and individual work	Spring and fall semesters	English

Requ	uisites
Prerequisites: English language skills	Co-requisites (if relevant): No

Number of ECTS credits allocated	Student's workload (total)	Contact hours	Individual work	
5	130	48	82	

Purpose of the course unit

To develop the ability to analyse and evaluate the interaction between economic activity and the state of the environment, identifying the economic and environmental consequences of this interaction, the costs of environmental protection and the implementation of the Sustainable Development Goals (2030 Agenda for Sustainable Development). Students will acquire the analytical skills needed to assess the economic impact of environmental policies, to identify economic decisions that lead to environmental degradation, and to ensure the sustainable management of natural resources. By integrating knowledge of economics and environmental science, this course provides an interdisciplinary approach to solving environmental problems.

Learning outcomes of the course unit	Teaching and learning methods	Assessment methods
Will know the concept of Sustainable	Problem-oriented lectures, individual	Individual written work and its
development and the context of the	assignments (analysis and synthesis of	presentation, group written
Sustainable Development Goals (SDGs),	information on the topic, case studies).	work and its presentation,
emphasizing the links between economic	Preparation and presentation of	activity during seminars and
growth and environmental quality.	individual written work, preparation	workshops, test and exam.
	and presentation of group written work	
Will know resource management models	Problem-oriented lectures, individual	Individual written work and its
and be able to analyse and evaluate the	assignments (literature and case	presentation, group written
differences between the use of common	studies, discussion). Preparation and	work and its presentation,
and private property resources.	presentation of individual written	activity during seminars and
	work, preparation and presentation of	workshops, test and exam.
	group written work	
Will know the methods for assessing	Traditional lectures, individual	Individual written work and its
environmental resources and be able to	assignments (case studies, problem-	presentation, group written
apply them in practice.	solving). Preparation and presentation	work and its presentation,
	of individual written work, preparation	activity during seminars and
	and presentation of group written work	workshops, test and exam.
Will understand the mechanism of	Problem-oriented lectures, individual	Individual written work and its

assignments (analysis and summary of

presentation, group

environmental policy and the interactions

between policy instruments and be able to evaluate critically their effectiveness.	articles on the topic, case studies, discussion). Preparation and presentation of individual written work, preparation and presentation of	work and its presentation, activity during seminars and workshops, test and exam.
	group written work.	
Will be able to link economic and environmental solutions to increase the resilience of ecosystems to environmental change and ensure the sustainability of ecosystem services.	Problem-oriented lectures, individual assignments (analysis and summary of articles on the topic, case studies, discussion). Preparation and presentation of individual written work, preparation and presentation of group written work	Individual written work and its presentation, group written work and its presentation, activity during seminars and workshops, test and exam.
Will be able to think logically and critically, make decisions, and work responsibly, independently, and in teams.	All individual and group assignments (information retrieval and summarisation, article analysis, case	Individual written work and its presentation, group written work and its presentation,
1 3/	studies, discussion, etc.), individual written work, and group written work.	activity during seminars and workshops, test and exam.

			Cont	act h	ours			I	ndividual work: time and assignments
Content	Lectures /e. learning	Tutorials /e. learning	Seminars /e. learning	Workshops /e. learning	Laboratory work	Internship	Contact hours, total	Individual work	Tasks for individual work
1. Introductory lecture.	2						2		
2. Environment, conservation, and economic activity. Sustainable development concept and goals up to 2023, challenges achieving the goals.	2		2				4	4	Read a chapter in the book B. C. Field, M. K. Field (2017). Environmental Economics, 20-30 p. and prepare a 5-7 minute reflection. Review the video's 17 goals (https://sdgs.un.org/goals) and prepare a 5-7-minute reflection. Discussion.
3. Environmental resource management models. Material balance model. Environmental property rights.	4		4				8	6	Video materials: Environment and Natural Resource Management, Sustainable management of natural resources. Prepare for 10 minutes of discussion. Drafting the problem analysis as a part of an individual written work
4. Public goods and market failures. The tragedy of the commons (G. Hardin, 1968), the use of public goods. Market failures and information asymmetries.	2		2				4	6	Read a chapter in the book B. C. Field, M. K. Field (2017). Environmental Economics, 60-76 p. Prepared to answer questions posed during the lecture. Drafting the problem analysis as a part of an individual written work
5. Biodiversity loss and protection mechanisms: drivers and consequences of biodiversity loss, 15 SDGs to prevent and reverse land degradation and to stop biodiversity loss.	2		2				2	4	Read the EU Biodiversity Strategy 2030 on your own (prior to the lecture). Know the objectives of the strategy and the main commitments for the period. Discussion during the seminar. Preparation of a group essay on the scientific reasoning and regulatory aspects of the problem analysis.
6. Preparation for Mid-term test								8	The test is based on the materials presented in lectures and provided for independent work, covering topics 2-5.
7. Mid-term test. Resilience and resources for the blue environment: understanding the blue economy and marine	2		2				4	6	30 minutes of seminar time is given for mid-term assessment (test). An analysis of the literature on the EU blue economy. Reading "Transforming

resources, SDG 14, good practices in sustainable water resources management								the EU's blue economy for a sustainable future". Discussion during the seminar. Group work on the writing exercise related to environmental monitoring, sustainable development indicators and collection of original research data.
8. Ecological damage, costs of ecological damage: biodiversity and blue environment aspects. Ecological damage function, methods for calculating costs.				2		4	6	Read a chapter in the book B. C. Field, M. K. Field (2017). Environmental Economics, 79-87 p. During the exercise, calculate the economic damage caused by biodiversity loss, with an emphasis on an interdisciplinary approach. Watch video materials: One Earth; Seven Billion Dreams and prepare a short oral reflection on the case (5-7 minutes). Drafting the problem analysis as a part of an individual written work
9. Environmental valuation methods (travel costs, avoided costs, hedonistic price method, etc.)				2		4	4	Read a chapter in the book B. C. Field, M. K. Field (2017) Environmental Economics, 132-149 p. and apply one of the methods discussed in the lecture and the book to the assessment of recreational and ecosystem services in natural and urbanized environments. Prepare a 5-7 minute presentation. Summarizing the results of individual written work, drawing conclusions
10. Administrative and economic mechanisms to protect the environment: taxes, pollution permits, subsidies, fines, etc.			2			6	8	Read a chapter in the book B. C. Field, M. K. Field (2017) Environmental Economics, 202-219 p., and 221-243 p. Carry out a comparative analysis of economic instruments (given case) and prepare a 5-7 minute oral presentation. Discussion during the seminar. Preparing the presentation of individual written work and preparing for discussion. Presentation during the seminar.
11. Climate change and pollution - interlinked environmental challenges: the impact of climate change on pollution levels; mitigation strategies for climate change and pollution control outlined in the 13 SDGs.			2			4	6	An analysis of the literature on the EU blue economy. Read the strategy "EU Transforming the EU's Blue Economy for a Sustainable Future ", be able to explain in a reasoned way the systematic nature of adaptation and resilience actions. Discussion during the seminar. Group work on the writing part on data analysis and systematisation of results.
12. Sustainable development as a key to the viability of ecosystem services: integrating ecosystem services into sustainable development programming, reducing the negative impacts of cities on the environment and the natural heritage, in line with SDG 11. Presentation of a group written work during the seminar			2			4	8	Read the article Strategic use of ecosystem services and co-benefits for Sustainable Development Goals (https://doi.org/10.1002/sd.2448). Understand how the EU strategies covered in the course contribute to the United Nations Sustainable Development Goals. Preparation of a group written work presentation and preparation for discussion. Presentation during the seminar.
13. Preparation for exam		2				2	16	The examination is based on the material presented in lectures and provided for independent work, covering 7-12 topics.
Total	24	2	18	4		48	82	

Assessment strategy	Weight %	Deadline	Assessment criteria
Work in seminars and workshops	20	Throughou t the semester	Students' participation in seminars and workshops is assessed in terms of participation in discussions, presentation of reasoned opinions, application of theoretical knowledge to practice and completion of assignments. A student may score between 0 and 1 point in a class, depending on the level of engagement. 1 point - students actively participate in discussions and learning activities organized by the lecturer and apply theoretical knowledge during practical sessions. They complete the tasks given in a timely and correct manner. 0.5 points - students passively participate in discussions and learning activities organized by the teacher, even when encouraged and apply theoretical knowledge to some extent. Only part of the given tasks is completed on time and correctly. 0 points - students do not engage in discussions and activities organized by the teacher, even when encouraged, and do not solve problems during practical sessions. A student can score 10 points per semester (the course includes 8 seminars and 2 workshops), which are multiplied by a weighting factor (20%) in the final assessment.
Mid-term test (test in the VU Virtual Learning Environment (VMA)	15	Week 6 (from the start of the course)	The test is based on the materials presented in lectures and on independent work covering topics 2-5. Its aim is to assess students' knowledge and understanding. The test consists of 10 open-ended questions and 10 closed-ended questions for a maximum of 10 points. Each answer is assessed at 0,5 points: Open-ended questions are assessed on this scale: • 0,5- Excellent and good knowledge and skills, there may be minor mistakes. • 0,25 - Average knowledge and skills, there are mistakes, but knowledge and skills still meet minimum requirements. • 0 - Minimum requirements are not met. Closed-ended questions have three-four possible answer options (only one answer is correct). If the correct answer is marked, it is evaluated as 0, 5 points, and incorrect - 0 points. Interdisciplinary-competence achievement level: • Excellent, when the student scores 9-10 points. • Typical, when the student scores 5 points. Knowledge and skills do not meet minimum criteria/below minimum criteria when the student scores 1-4 points Students who reach at least the threshold level acquire interdisciplinary competence. Failure to pass the test prevents the student from taking the exam. In the final assessment, the test score is multiplied by a weighting factor 15%.
Individual written work (IW)	20	12th week (from the start of the course)	The individual written work consists of two components - the written work (80% of grade) and the presentation (20% of grade). Students choose one of the topics provided by the teacher. Students can also suggest topics of interest/relevance to them. The work must integrate an interdisciplinary approach integrating economic and environmental aspects. The scope of the paper must be between 8 000 – 10 000 characters (including spaces). Individual work must be prepared and sent to the teacher by e-mail at least 2 days before the presentation. If the content of the work does not meet the requirements (grade is less than 5 points), no presentation is required, and the student is not allowed to take the exam. The individual written work will be assessed according to the following levels of achievement of interdisciplinary competence:

Excellent (9-10). The work is theoretically sound, and the aims, and objectives are properly formulated and expressed. Full and creative use of scientific literature, research materials, and global databases. The work demonstrates the student's creativity and innovative thinking. The conclusions are consistent with the aim and objectives of the study, are logical and comprehensive, with appropriate citations of the sources used. Typical (6-8). The work is theoretically sound, but the aims and objectives are not sufficiently well formulated and expressed. Knowledge and information from other disciplines and a wide range of literature sources are underused. The conclusions are partly in line with the aims and objectives of the work but are not sufficiently detailed, and there are inaccuracies in the citation of the sources used. Threshold (5). The work is descriptive. Lack of reasoning and logic. Limited number of scientific sources, little use of former research results and databases. Some of the conclusions are based on theoretical/literary analysis, but general conclusions are dominant, do not reveal the substance of the results obtained, and have few references and citations of scientific sources. Intermediate level of achievement (1-4) where the work does not meet the minimum requirements. The level of achievement of the interdisciplinary competencies in the presentation will be assessed according to the following criteria: Excellent (9-10). Speaks fluently and does not use notes. Expresses ideas clearly, demonstrates competence in the subject matter, and presents results persuasively and emotionally. Do not exceed the time limit (10 minutes). Logic is respected - the most important information is given first, followed by additional information. The presentation is free of details; the main results are delivered. The student answers the questions. Typical (6-8). Speaks quite freely, only occasionally uses notes. Expresses ideas clearly, but only partially demonstrates competence on the subject. Does not respect the time limit - the presentation is short or exceeds 10 minutes. Does not follow the logic of the presentation - the essential and supplementary information is not separated. The presentation contains a lot of details: the student continues the presentation even if the audience is bored or realizes that the lime limit is exceeded. Answers only part of the questions asked. Threshold (5). Uses notes regularly during the presentation. Expresses ideas clearly when reading materials from notes but cannot speak fluently without notes. Demonstrates only partial competency in the subject and does not respect the time limit - the presentation is short or exceeds 10 minutes. Students do not follow the logic of presenting the results the essential and supplementary information is not separated; also, they do not respond to the audience and continue the presentation even if they see that the audience is bored or realize that the time limit is exceeded. Fails to answer questions. Not reached level (1-4). The presentation does not meet the minimum requirements or is not prepared (0 points). If the presentation is evaluated less than 5 points, the examination is not allowed. This assessment emphasizes an interdisciplinary approach, the application of the principles of sustainable development. Group written work 20 14th week The group's written work consists of two main components - the (GW) (from the written work (80% of grade) and the presentation (20% of grade). start of the Students can choose the topic of the paper from a list provided by course) the lecturer or propose their own topical ideas. The thesis must show interdisciplinary approach integrating economic environmental aspects and demonstrate active collaboration within the student group. The length of the paper should be between 10 000

Exam (E) (test in the VU Virtual Learning Environment (VMA)	25	During the exam session	and 15 000 characters (including spaces). The thesis must be sent to the tutor by e-mail at least 2 days before the due date. If the grade of the thesis is less than 5 points, no presentation is required, and no examination is allowed. The written work will be assessed according to the following levels of achievement of interdisciplinary competence: Excellent (9-10) when the theoretical rationale is well argued, the aims and objectives are clearly formulated, the use of scientific sources and research material is creative, the conclusions are logical and comprehensive, and the sources are properly cited. Typical (6-8) where the thesis is theoretically sound but the aims and objectives are not sufficiently well formulated, a variety of sources are used, but the conclusions are inaccurate or incomplete, and there are errors in the citation of sources. Threshold (5) where the work is descriptive, lacks theoretical justification and logic, limited use of scientific sources, little reference to existing research, conclusions are general and do not reflect the substance of the results. Intermediate level of achievement (1-4) where the work does not meet the minimum requirements. The level of achievement of the interdisciplinary competencies in the presentation of the paper is assessed according to the following criteria: Excellent (9-10). Students speak fluently, do not use notes, maintain attention, convey ideas clearly, demonstrate interdisciplinary competence, follow logic, and present only essential information. Answers questions within the time limit (10 min.). Typical (6-8). Speaks fluently but occasionally uses notes; expresses ideas clearly but demonstrates only partial competence; does not respect the time limit; provides many details. Answers only part of the questions. Threshold (5). Continuous use of notes, difficulty expressing ideas; does not respect time limit, does not show interdisciplinary competence; confusion between essential and supplementary information. Unable to answer gottons to su
			 Interdisciplinary-competence achievement level: Excellent, when the student scores 9-10 points. Typical, when the student scores 6 - 8 points.

	Knowledge and skills do not meet minimum criteria/below
	minimum criteria when the student scores 1-4 points
	Students who reach at least the threshold level acquire
	interdisciplinary competence.
	In the final assessment, the exam score is multiplied by a weighting
	factor 25%.

Final assessment = IW 20% + T 15% + IW 20% + GW 20% + E 25%

 $IW-work\ during\ seminars\ and\ workshops,\ T-mid-term\ test,\ IW-individual\ written\ work,\ GW-\ group\ written\ work,\ E-exam.$

The assessment strategy, using the specified criteria delivered in the first lecture, can be implemented in the VU Virtual Learning Environment (VMA) and MS Teams platform.

Author (-s)	Publishing	Title	Issue of publication	Publishing house or web link
	year	Required reading	publication	IIIIK
Field, Barry C., Field, Martha K.	2017	Environmental Economics	-	New York: McGraw-Hill
Wang Jianhua and Shen Minmin.	2022	The Impact of Pro-environmental Awareness Components on Green Consumption Behavior: The Moderation Effect of Consumer Perceived Cost, Policy Incentives, and Face Culture	-	Front. Psychol., 17 Sec. Environmental Psychology, Volume 13. https://doi.org/10.3389/fpsy g.2022.580823
Kasparinskis Raimonds, Ruskule Anda, Vinogradovs Ivo, Villoslada Miguel	2018	The guidebook on "the introduction to the Ecosystem service framework and its application in Integrated planning"	-	https://vivagrass.eu/wp- content/uploads/2018/10/gui debook_ecosystem_services _vivagrass-compressed.pdf
European Commission	2020	EU biodiversity strategy for 2030	-	https://eur- lex.europa.eu/EN/legal- content/summary/eu- biodiversity-strategy-for- 2030.html
European Commission	2021	EU Transforming the EU's Blue Economy for a Sustainable Future	-	https://eur- lex.europa.eu/legal- content/EN/TXT/?uri=CEL EX:52021DC0240
European Commission	2021	Forging a climate-resilient Europe. The new EU Strategy on Adaptation to Climate Change	-	https://eur- lex.europa.eu/legal- content/LT/TXT/?uri=COM :2021:82:FIN
EC. Ministry of environment	2020	EU guidance on integrating ecosystems and their services into decision-making, Commission Staff Working Document, 2019-07-18, SWD (2019) 305, PART 1, 2, 3)	-	https://data.consilium.europ a.eu/doc/document/ST- 11395-2019-ADD-1/en/pdf
	1	Recommended reading	1	I
Andı Simge and Painter James	2020	How much do people around the world care about climate change?	-	The Conversation UK. https://theconversation.com/ how-much-do-people- around-the-world-care- about-climate-change-we- surveyed-80-000-people-in- 40-countries-to-find-out- 140801
Plumpton Heather, Dhaliwal Jasmine, Giritharan	2023	Profit without loss How conserving resources benefits the economy, businesses and consumers	-	Green alliance. https://green- alliance.org.uk/wp- content/uploads/2023/11/Pr ofit-without-loss.pdf

Arpana and Peake Libby				
Brown Weiss	2014	Voluntary Commitments as Emerging Instruments in International Environmental Law	-	Environmental Policy and Law, 44 (1-2). https://core.ac.uk/download/ pdf/70375531.pdf
Liobilienė Genovaitė, Poškus Mykolas Simas.	2019	The Importance of Environmental Knowledge for Private and Public Sphere Pro-Environmental Behavior.	-	Sustainability, 11(12), 3324; https://doi.org/10.3390/su11 123324
Doran, Peter	2021	Doing More with Less: Ensuring Sustainable Consumption and Production.	-	IISD https://www.iisd.org/articles /doing-more-less-ensuring- sustainable-consumption- and-production
Tamašauskienė Zita, Žičkienė Skaidrė	2019	Externalities and Sustainability Processes.	In: Leal Filho W. (eds) Encyclopedi a of Sustainabilit y in Higher Education.	Springer, Cham (Department of Economics Northeastern University Boston USA).
	2014	Sustainable management of natural resources. Video materials.	-	https://www.youtube.com/watch?v=4qA3KBFrB2o
	2017	Environment and Natural Resource Management. Video materials.	-	https://www.google.com/sea rch?client=firefox-b- e&sca_esv=589030635&sxs rf=AM9HkKkowFJJisXvSv iS- 15RGn3xOTOVNw:170202 6885403&q=environmental +resource+management+yo utube&tbm=vid&source=ln ms&sa=X&ved=2ahUKEwi F85ufwP- CAxXscvEDHewXAyoQ0p QJegQICxAB&biw=1200& bih=560&dpr=1.33#fpstate =ive&vld=cid:8f456360,vid :Ly29ci-qgf8,st:0
		One Earth. Video materials	-	https://www.youtube.com/watch?v=QQYgCxu988s
		Seven Billion Dreams. Video materials	-	https://www.youtube.com/w atch?v=JyL58vlbvgw
		Climate change. Video materials	-	https://www.youtube.com/w atch?v=-D_Np-3dVBQ
		THE 17 GOALS	-	https://sdgs.un.org/goals

Rubrics of the course

COMPETENCE	THRESHOLD LEVEL OF	TYPICAL LEVEL OF	EXCELLENT LEVEL OF	
	ACHIEVEMENT	ACHIEVEMENT	ACHIEVEMENT	
	The complexity of the problem is	The complexity of the problem is	The issue is analyzed	
	not sufficiently defined, and there			
	is a lack of justification for why a	cross-cutting approach is not	relevant literature from different	
	cross-cutting approach is needed	sufficiently highlighted, in	disciplines, showing the	
	to tackle environmental issues.	particular by linking economic and	importance of interdisciplinary	
		environmental aspects.	knowledge in sustainable	
			environmental solutions.	

	The insights provided are superficial and ignore important economic and ecological factors.	Interdisciplinary perspectives are valid, but not all relevant aspects are included or properly analyzed.	Data and research from different disciplines are integrated and provide an informed overview of the importance of cross-cutting solutions for achieving the Sustainable Development Goals.
Recognition of Interdisciplinary Perspectives	Links between ecological and economic factors are only superficially identified due to a lack of confidence in one or more of the approaches to an integrated analysis of the impact of the factors on the state of the environment and economic activity Interdisciplinary terms (concepts)	Only some of the links between ecological and economic factors are identified, and their interdependence is substantiated. Still, the impact of the factors on the state of the environment and economic activity is not fully developed and sufficiently coherent. Scientific terms (concepts) related	The links between ecological and economic factors are established, their interdependence is logically justified, and the impact on the change of the state of the environment and economic activity is analyzed in a comprehensive way. A comprehensive and coherent
	are presented unconsolidated or incompletely without linking them to economic and environmental concepts.	to environmental economics are used from various disciplines, but some are not sufficiently in-depth and lack coherence and logic.	discussion of environmental economics' key terms (concepts) and their application to analyzing and addressing sustainable development challenges. The economic, social, and ecological perspectives on sustainable development are analyzed.
Collaborative and Innovative Thinking	There is a lack of openness to ideas and insights from other disciplines, which limits the scope for finding effective solutions.	Ideas from other disciplines are discussed, but their implications are not fully appreciated or integrated into the decision-making process.	Ideas from other disciplines are critically evaluated and integrated into decision-making, providing innovative and informed alternatives to address environmental challenges. Demonstrated understanding of how combining knowledge from different disciplines solves a problem.
	Standard approaches dominate the decision-making process, with little analysis of new ideas and a lack of interdisciplinary approaches.	Some out-of-the-box solutions are proposed, but their analysis or application is incomplete, and the solutions lack innovation or interdisciplinarity.	Innovative solutions are presented on the basis of crosscutting research that demonstrates the ability to link knowledge from different disciplines to find solutions to reconcile economic development with environmental protection.
	Collaboration is sporadic, with minimal involvement in interdisciplinary team activities.	Team members' opinions are heard, but their suggestions are not sufficiently integrated into the decision-making process.	Listen to the views of all team members, objectively evaluate the proposals, and integrate knowledge from different disciplines.
	Knows the basic rules of teamwork but relies on the expertise of only a few members, limiting opportunities to learn from others.	Teamwork rules are usually followed, relying on the competencies of the majority of team members to work together.	Teamwork rules are always respected, relying on the competencies of all members, creating an atmosphere of mutual trust and cooperation.
Collaboration	Feedback is given, but team members are not always willing to respond promptly, complicating the collaboration process. The ability to compromise in an	Feedback is given appropriately, and team members' suggestions are usually considered and appreciated but not always consistently applied. Compromise with other	Constructive feedback is implemented, allowing for productive discussion, evaluation, and implementation of proposals. When dealing with complex
	interdisciplinary team exists, but tensions and stresses interfere working together.	interdisciplinary team members is usually found, thus avoiding tensions that limit effective joint working.	problems, it is possible to effectively seek and reach a compromise by setting priorities

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			and upholding the values of the
	Tasks are distributed unevenly,	Tasks are distributed more	interdisciplinary team. Tasks are distributed evenly, the
	and team members have limited	objectively, but not all team	opinions of all team members are
	division of responsibilities.	members' opinions are considered	considered objectively, and the
	division of responsibilities.	equally important for achieving	team is open to discussion,
		common goals.	which ensures effective work.
	Knowledge from different	Knowledge from different	Knowledge from different
	disciplines about the	disciplines is transferred to the	disciplines is communicated in a
	environmental and economic	team, but understanding may vary	detailed, clear, and structured
	issues being addressed and	depending on the members'	manner (considering the
	communicated not properly and	training or experience in dealing	background of the team
	makes it difficult to take an	with environmental and economic	members) to ensure an
	informed decision.	issues.	understanding of the
	informed decision.	issues.	complexities involved in
			reconciling environmental and
			economic development. This
			enables informed decision-
Communication in			making.
an Interdisciplinary	Differences of opinion are heard	Different opinions are listened to,	Different views are listened to
Team	but often viewed overly critically,	and ideas are considered, but	and objectively evaluated,
	which limits open dialogue and	unjustified criticism and bias can	encouraging open and
	collaboration within the	hinder successful interdisciplinary	constructive dialogue within an
	interdisciplinary team.	collaboration.	interdisciplinary team,
			especially in the search for
			complex economic and
			environmental solutions.
	Insights on the economy and	Insights into the interaction	Insights into the interaction
	environment interaction are not	between the economy and the	between the economy and the
	clearly presented. They are not	environment are presented with	environment are presented in a
	understood by all	sufficient clarity to help the	clear and accessible way,
	interdisciplinary team members,	members of the interdisciplinary	allowing all interdisciplinary
	slowing down the process of	team better understand the	team members to work together
	solving complex problems.	processes and issues involved and	successfully to tackle complex
		to collaborate more effectively on	problems most effectively.
		complex problems.	
	The reflection is limited to	The reflection identifies some of	The reflection provides detailed
	existing experience, without	the assumptions and challenges	insights into the challenges,
	incorporating new insights or	faced in addressing the rational	learning difficulties, and results
	perspectives, particularly	interaction between the	achieved at all stages of the
	regarding the problems of	environment and economic	learning process in addressing
	rational interaction between the	development.	the rational interaction between
	environment and economic		the environment and economic
Cuisi and Ductor	development.	TOLER OF THE STATE	development.
Critical Reflection	The reflection on problem-	The reflection on problem-solving	The reflection details the
	solving processes in the field of	processes in the field of	problem-solving process in
	environmental economics is	environmental economics is more	environmental economics,
	superficial and does not reveal	detailed, but personal perceptions	considering the personal
	personal perceptions of economic	of the complexity of economic and	perception of the complexity of economic and ecological
	and ecological problems.	ecological problems are underestimated.	S
		underestimated.	problems and assessing existing
			and acquired competencies.