



COURSE UNIT (MODULE) DESCRIPTION

Course unit (module) title	Code
Green Economics	

Academic staff	Core academic unit(s)
Coordinating: assoc. prof. Kristina Matuzevičiūtė-Balčiūnienė	Vilnius University Šiauliai Academy
Other:	

Study cycle	Type of the course unit
First	Compulsory

Mode of delivery	Semester or period when it is delivered	Language of instruction
Blended learning	Spring	English

Requisites	
Prerequisites: Macroeconomics	Co-requisites (if relevant): -

Number of ECTS credits allocated	Student's workload (total)	Contact hours	Individual work
5	134	53	81

Purpose of the course unit		
Understand the interaction between the economy and the environment, acquire knowledge of green economy theories and methods, and understand how they can be applied at company, national and international levels to reduce the negative and increase the positive impact of the economy on the environment. To develop social responsibility, autonomy, critical thinking, teamwork and communication skills.		
Learning outcomes of the course unit	Teaching and learning methods	Assessment methods
Knows the concept of green economy and related concepts, green economy theories, methods and policies, understands the interaction between the economy and the environment, and resource use problems.	Interactive lecture, literature analysis, practical exercises, concept map	Mid – term, Exam
Analyses and creatively interprets the links between the environment and the economy as part of the decision-making process, and understands what measures are in place at the company, national and international levels to reduce the negative and increase the positive environmental impacts of the economy.	Discussion, literature analysis, practical exercises, interactive lecture, case study	Mid – term
Is able to economically assess the use of natural resources, select measures to increase the efficiency of resource use and reduce pollution, creatively and critically apply analytical methods, and formulate analytical conclusions.		Individual research paper

Is able to analyse and interpret the impact of production, consumption and investment decisions in contributing to greener economic growth, and understand the impact of socio-economic policies on these decisions.	Discussion, information search task, literature analysis, practical exercises, interactive lecture, case study	Exam
Is able to discuss relevant issues in the green economy and to express his/her ideas coherently and persuasively, both orally and in writing. Guided by professional ethics and the principles of social responsibility when making decisions.	Discussion, practical exercises, literature analysis	Individual research paper
Is able to critically and constructively evaluate their own performance and that of their colleagues, to continuously improve their learning skills, and to plan their learning process.	Discussion, practical exercises	

Content	Contact hours							Individual work: time and assignments	
	Lectures / e. learning	Tutorials	Seminars	Workshops / e. learning	Laboratory work	Internship	Contact hours, total	Individual work	Tasks for individual work
1. Concept of the green economy, related concepts, evolution of the green economy	2			2			4	5	Literature analysis (Acar ir Yeldan, 2019, p.9-28; Loiseau et al. 2016), solving tests and preparing for mid-term
2. Natural resources and the challenges of their usage	4			2			6	8	Literature analysis (material presented in Moodle), solving tests, preparing for mid-term and discussion
3. Economic evaluation of natural resource usage and the environment	4			2			6	8	Literature analysis (Perman, 2003, p. 473-495), solving tests, preparing for mid-term
4. Sustainable consumption and green investments	4			2			6	8	Literature analysis (material presented in Moodle), solving tests, preparing for discussion and mid-term.
Mid-term	1		2			3			
5. Circular economy	4			2			6	8	Literature analysis (Tambovceva, Titko, 2017, pp. 24-28, 34-42), solving tests, preparing for discussion and exam.
6. Labour market changes towards a green economy	2			2			4	5	Literature analysis (World Bank, 2012 p.91-102), solving tests, preparing for discussion and exam.
7. Economic instruments for a green economy	4			2			6	8	Literature analysis (Perman, 2003, p. 399-440), solving tests,

									preparing for discussion and exam.
8. European Green Deal	3			2			5	7	Analysis of an online source (European Commission. Green Deal), solving tests, preparing for discussion and exam
Individual research paper		1		3			4	24	
Exam		1		2			3		
Total	27	3		23			53	81	

Assessment strategy	Weight %	Deadline	Assessment criteria
Mid – term	30	7th-8th week of the semester	The assessment includes two parts: a test and open questions. The test question, with one possible answer, is worth 0.2 marks. 20 questions in total.
Individual research paper	40	In the 13th-15th weeks	Criteria for the assessment: each student will produce one individual work per semester. The purpose of the work is to evaluate the use of selected natural resources in the case of a country or group of countries, to select measures to increase the efficiency of resource use and to reduce pollution. The paper should follow the guidelines for the preparation of the thesis (components of the thesis, citation, formatting, etc.). The paper must be delivered at the appointed time. The paper will be assessed on a 10 point system. Assessment criteria: introduction meets the requirements, relevance is described, aim and objectives are linked, and the objectives are sufficient to achieve the aim (0 - 1 point). The theoretical part of the thesis analyses the main problems of the use of the chosen resource and describes possible ways of increasing efficiency or reducing negative impacts. (0-1 marks); reference is made to recent literature, at least 8 sources, foreign literature is used, and references to the sources used are given in the text (0-1.5 marks); tables/figures are properly formatted and suitable for illustrating the data analysed (0-1 marks); the study section provides statistical data reflecting the extent of consumption of the selected resource, justifies the measures chosen to increase efficiency or reduce negative impacts (0-2 points); the conclusions are logical, based on the research carried out, and meet the objectives (0-1 point); the scope of the work
Exam	30	Exam session	The exam consists open questions and a solution to the problem described. 6 open questions are worth 1 point each (total 6 points). The solution to the problem (2 questions) are worth 2 point each (total 4 points).

Author (-s)	Publishing year	Title	Issue of a periodical or volume of a publication	Publishing house or web link
Required reading				
Loiseau, E., Saikku, L., Antikainen, R., Droste, N., Hansjürgens, B., Pitkänen, K., & Thomsen, M.	2016	Green economy and related concepts: An overview.	Journal of cleaner production, 139, 361-371.	
Acar, S.; Yeldan, E.	2019	Handbook of Green Economics (p. 9-28)		Full text is available: https://ebookcentral.proquest.com/lib/viluniv-ebooks/detail.action?docID=5888439 .
Tambovceva, T., & Titko, J.	2017	Introduction to Circular Economy.		Ekonomikas un kulturas augstskola. Full text available:

				https://www.augstskola.lv/upload/book_Introduction_to_Circular_Economy_2020.pdf
World Bank	2012	Inclusive Green Growth: The Pathway to Sustainable Development (p. 91-102)		Full text is available: https://openknowledge.worldbank.org/handle/10986/6058
European Commission	-	Green deal		https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal_lt
Perman, R.	2003	Natural resource and environmental economics.		Pearson Education. Full text available: https://www.uio.no/studier/emner/sv/oekonomi/ECON4925/h16/pensumliste/txtbook_3.ed_att00106.pdf
Recommended reading				
Rao P.K.	2010	The Architecture of Green Economic Policies		Full text is available https://doi.org/10.1007/978-3-642-05108-1_3
UNEP.	2010	Green economy: making it work	In Green economy: making it work.	Full text is available: https://www.unep.org/resources/report/our-planet-green-economy-making-it-work
Lorek, & Spangenberg, J. H.	2014	Sustainable consumption within a sustainable economy – beyond green growth and green economies.	Journal of Cleaner Production, 63, 33–44.	https://doi.org/10.1016/j.jclepro.2013.08.045
Mikhno, I., Koval, V., Shvets, G., Garmatiuk, O., & Tamošiūnienė, R.	2021	Green economy in sustainable development and improvement of resource efficiency.	Central European Business Review (CEBR), 10(1), 99–113.	https://doi.org/10.18267/j.cebr.252