

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
Lesya Ukrainka Volyn National University
Faculty of International Relations
Department of International Economic Relations

SYLLABUS
of the elective educational component
CIRCULAR ECONOMY
for Master's degree programmes

Lutsk – 2026

Syllabus of the Elective Educational Component “Circular Economy” for the Master’s Degree Programme.

Developer: Olha Antonivna Korneliuk, PhD in Economics, Associate Professor of the Department of International Economic Relations

Approved by:

Guarantor of the Educational and Professional Programme:

 I.V. Kytsiuk

The syllabus of the educational component was approved at the meeting of the Department of International Economic Relations, Minutes No. 6 of 10 February 2026

Head of the Department:



A.O. Boiar

I. DESCRIPTION OF THE EDUCATIONAL COMPONENT

Indicators	Field of Study, Specialty, Educational and Professional Programme, Level of Education	Characteristics of the Educational Component
Full-time mode of study	C Social Sciences, Journalism, Information and International Relations C1 Economics and International Economic Relations “International Economic Relations” Master’s degree	Elective
Number of hours / credits: 120/4		Academic year: 2
		Semester: 3
Individual Research Assignment: none		Lectures: 10 hours
		Practical (seminar) classes 14 hours
		Independent study: hours
Language		Consultations: 8 hours
	Assessment method: pass/fail test	
		<i>English</i>

II. INFORMATION ABOUT THE TEACHING STAFF

Full name: *Olha Antonivna Korneliuk*

Academic degree: *PhD in Economics*

Academic title: *Associate Professor*

Position: *Associate Professor, Department of International Economic Relations*

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Class schedule: <http://surl.li/shvned>

III. DESCRIPTION OF THE EDUCATIONAL COMPONENT

1. Course Description

The course “Circular Economy” is aimed at developing a comprehensive understanding of modern models of sustainable economic development based on resource efficiency, closed material flows, and environmental responsibility. Within the course, students explore the theoretical foundations and evolution of the circular economy concept, its principles, tools, and business models, as well as implementation practices at the level of states, transnational corporations, and individual enterprises. Special attention is paid to the European experience in shaping circular economy policy, circular transition roadmaps, issues of resource conservation, decoupling, and the prospects for the development of the circular economy in Ukraine. The course combines theoretical knowledge with practical cases and analytical tasks, contributing to the development of professional competences of future specialists in the field of international economic relations.

2. Purpose and Objectives of the Course

The purpose of the course is to develop students’ systemic economic thinking and in-depth knowledge of the principles, mechanisms, and practical tools of the circular economy in the context of global transformations. The main objectives of the course are: to develop an understanding of the essence, principles, and evolution of the circular economy concept; to analyse the possibilities for implementing circular economy approaches in various sectors of the national and global economy; to assess the effectiveness of resource-saving technologies and models of sustainable production and consumption; to justify the feasibility of transitioning to circular business models and consumption models; to analyse European and global experience in implementing circular economy policies; to identify prospects and barriers to the development of the circular economy in Ukraine.

3. Soft Skills (Competences)

- analytical and systems thinking (the ability to comprehensively analyse economic processes and interconnections);
- critical thinking and the ability to justify and argue one’s own position;

- communication skills, including participation in professional discussions and presentation of analytical results;
- creativity and innovative thinking in the development of circular business solutions;
- decision-making skills in the field of sustainable and circular development.

4. Structure of the Educational Component

Titles of Content Modules and Topics	Number of hours					Assessment Method / Points	
	Total	including					
		Lect.	Sem.	Independent Study	Cons.		
1	2	3	4	5	6	7	
Topic 1. Theoretical Foundations of the Global Circular Economy. Circular Economy Concepts	19	2	2	14	1	DS/10	
Topic 2. Circular Economy Roadmap	16	1	2	12	1	DS/10	
Topic 3. Resource Efficiency and Decoupling in the Circular Economy	16	1	2	12	1	DS/10	
Topic 4. Circular Economy Business Models	17	2	2	12	1	DS/10	
Topic 5. Circular Economy in the EU	18	2	2	12	2	DS/10	
Topic 6. Implementation of Circular Economy by Transnational Corporations and Global Brands	18	1	2	14	1	DS/10	
Topic 7. Circular Economy in Ukraine	16	1	2	12	1	DS/10	
Types of Final Assessment							
Written test (control test)						T/30	
Total Hours / Points		120	10	14	88	8	100

*Form of assessment: DS – discussion, T – tests

5. Tasks for Independent Study

1	Analysis of academic approaches to defining the concept of the circular economy and comparison with the linear economic model
2	Study of the principles of the circular economy (3R, 9R, 10R) and their application in economic practice
3	Research of circular economy roadmaps of selected countries or regions
4	Analysis of resource efficiency and decoupling mechanisms in the modern economy
5	Study and comparative analysis of circular business models
6	Analysis of European experience in implementing the circular economy (based on 1–2 EU countries)
7	Research of practices for implementing circular principles by transnational corporations and global brands
8	Assessment of the current state and development prospects of the circular economy in Ukraine, taking national specifics into account

IV. ASSESSMENT POLICY

Teaching and learning are carried out in compliance with the Code of Academic Integrity of VNU (<http://surl.li/aagxg>). The course consists of one content module. The final grade is awarded on a 100-point scale and is based on the total number of points obtained for: continuous assessment

during seminars on relevant topics (70 points) and completion of tests (30 points). If a student did not attend certain in-class sessions for valid reasons, they have the right to make up for the missed classes and obtain the points assigned to the missed topics by completing written assignments in accordance with the instructions provided in the Office 365 (Teams) course environment. On the date of the pass/fail assessment, the instructor records in the official grade register the total number of points earned by the student during continuous assessment (on a scale from 0 to 100 points). If the student has completed all types of work specified in the course syllabus and has obtained at least 60 points, the accumulated score is counted as the final result. If the student has obtained less than 60 points during continuous assessment, they must take the pass/fail assessment during the academic debt elimination period. The maximum score for the pass/fail assessment during this period is 100 points. On the day of the pass/fail assessment during the main examination session, additional oral questioning is not allowed, and the student is not permitted to submit or resubmit any type of coursework provided the course syllabus.

Module 1							Module 2	Total points
Content module 1								
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	Test	
10	10	10	10	10	10	10	30 points	100
70 points								

V. FINAL ASSESSMENT

The form of final assessment is a pass/fail credit (pass/fail assessment). The pass/fail credit is awarded automatically if the student has completed all types of learning activities specified in the syllabus and has obtained 60 points or more. A student may additionally complete missed topics during consultations with the lecturer or submit handwritten assignments on the topics missed during the semester for valid reasons. In this case, the student may improve the final result by exactly the number of points allocated for the missed topics. If a student has obtained less than 60 points, they must take the pass/fail credit during the academic backlog clearance period. In this case, the points obtained during continuous assessment are cancelled. The maximum number of points that can be obtained during the academic backlog clearance for the pass/fail credit is 100. The pass/fail credit may be retaken no more than twice for each educational component: the first retake is conducted by the lecturer, and the second by a commission established by the Dean of the Faculty (see the Regulations on Ongoing and Final Assessment of Students' Knowledge at Lesya Ukrainka Volyn National University – <http://surl.li/ddfha>).

Thematic Outline of Seminar Topics

Topic 1. Theoretical Foundations of the Global Circular Economy. Circular Economy Concepts

1. Evolution of resource efficiency and the concept of the circular economy. Concepts: regenerative design, Cradle-to-Cradle, industrial ecology, etc.
2. The essence of a closed-loop economy. Approaches to defining the circular economy
3. Differences between the linear and circular economy
4. Principles of the circular economy (3R, 9R, 10R)
5. Key instruments of the circular economy

Topic 2. Circular Economy Roadmap

1. The concept and purpose of the circular economy roadmap
2. The process of developing and implementing a circular economy roadmap
3. Experience of selected countries in developing and implementing circular economy roadmaps
4. Priorities for implementing the circular economy roadmap in Ukraine

Topic 3. Resource Efficiency and Decoupling in the Circular Economy

1. The concept of resource efficiency and resource-efficiency scenarios

2. Decoupling in the circular economy
3. Specific features of implementing the circular economy across different types of enterprises
4. Advantages of implementing circular economy approaches
5. Examples and case studies of circular economy practices in the field of resource efficiency

Topic 4. Circular Economy Business Models

1. Business model: concept and main types
2. Transition to circular business models
3. Investment support for circular business models
4. Innovative business models

Topic 5. Circular Economy in the EU

1. Regulatory and strategic documents providing for the transition to a circular economy in the EU
2. Waste management in EU countries: best practices
3. Recycling in the EU: directions and examples
4. Circular economy experience based on EU countries (choose 1–2 countries)

Topic 6. Implementation of the Circular Economy by Transnational Corporations and Global Brands

1. Transnational corporations in the context of the circular economy
2. Examples of implementing circular economy principles in the production activities of global brands (choose 2–3 examples)

Topic 7. Circular Economy in Ukraine

1. Preconditions for the implementation of the circular economy in Ukraine
2. Circular economy business models recommended for application in Ukraine
3. Examples of circular economy implementation in Ukraine
4. Ways to accelerate Ukraine's transition to a circular economy

Grading Scale

Score in points	Linguistic assessment
90–100	Passed
82–89	
75–81	
67–74	
60–66	
1–59	Failed (re-sit required)

Scale of assessment of knowledge of students in the specialties "Medicine", "Dentistry", "Pharmacy", "Therapy and Rehabilitation"

Score in points	Linguistic assessment
170–200	Pass
150–169	
140–149	
130–139	
120–129	
0–119	Fail (retake required)

VI. RECOMMENDED LITERATURE AND ONLINE RESOURCES

1. Корнелюк О., Павліха Н. Концептуальні засади розвитку циркулярної економіки. Міжнародні відносини, суспільні комунікації та регіональні студії. 2023. № 3 (17). С. 303–318. DOI : <https://doi.org/10.29038/2524-2679-2023-03-303-318>

2. Павліха Н.В., Корнелюк О.А. Циркулярна модель як інноваційна система відновлення конкурентоспроможності регіонів і територіальних громад в Україні у воєнний і повоєнний періоди. Вісник Національного університету водного господарства та природокористування. Сер. Економічні науки. 2023. Вип. 3(103). С. 179-193. DOI: <http://doi.org/10.31713/ve3202317>
3. Павліха Н.В., Корнелюк О.А., Цимбалюк І.О. Методології проектного менеджменту для циркулярних бізнес-моделей: переваги та можливості. Інтелект XXI. 2023. № 3. С. 74-80. DOI : <https://doi.org/10.32782/2415-8801/2023-3.11>
4. Сучасне керування відходами відповідно до принципів циркулярної економіки. Посібник курсу ZWA deep level. 2021. URL: <https://zerowastekharkiv.org.ua/wp-content/uploads/2021/12/posybnic-lekciye-book-5.pdf>
5. Циркулярна економіка : навчальний посібник / Шевченко Т. І., Шуптар-Поривасва Н. Й., Губанова О. Р. та ін. Суми: 2022. 220 с. URL: <https://repo.snau.edu.ua/bitstream/123456789/10468/1/%d0%a6%d0%b8%d1%80%d0%ba%d1%83%d0%bb%d1%8f%d1%80%d0%bd%d0%b0%20%d0%b5%d0%ba%d0%be%d0%bd%d0%be%d0%bc%d1%96%d0%ba%d0%b0.pdf>
6. Циркулярна економіка. [Електронний ресурс]: навчальний посібник / Є.С. Цюман, В.І. Зюзюн. Київ: НТУ, 2023. 133 с. URL: http://lib.ntu.edu.ua/catalog/docs/ecology/ecology%2091_2023.pdf
7. Циркулярна економіка: як новий спосіб господарювання в умовах цифрової трансформації. Колективна монографія. За науковою ред. к.е.н., доц. Татомир І.Л., к.е.н., доц. Квасній Л.Г. Трускавець: ПОСВІТ, 2021, 124 с. URL: <https://archer.chnu.edu.ua/jspui/bitstream/123456789/1103/1/%D0%A6%D0%98%D0%A0%D0%9A%D0%A3%D0%9B.%20%D0%95%D0%BA%D0%BE%D0%BD.-1.pdf>
8. Циркулярна політика управління відходами: підручник / А. І. Крисоватий, Р. Є. Зварич, І. Я. Зварич. Тернопіль: ЗУНУ, 2023. 458 с. URL: <http://dspace.wunu.edu.ua/handle/316497/47975>