

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
“DEVELOPMENT OF INTERNATIONAL BUSINESS IN THE CONDITIONS
OF THE CIRCULAR ECONOMY”
for bachelor’s degree programmes

Lutsk – 2026

Syllabus of the educational component “Development of International Business in the Conditions of the Circular Economy” for bachelor’s degree programmes.

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



(A. O. Boiar)

The syllabus of the educational component was approved at the meeting of the Department of International Economic Relations, Minutes No. 6 of ___ 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	29 International Relations 292 International Economic Relations Educational and Professional Programme “International Business” Bachelor’s degree	Elective
Number of hours / credits 150/5		Academic year – 3
		Semester 6
Individual Research Assignment: none		Lectures – 10 год.
		Practical (seminar) classes – 20 hours
		Independent study – 110 hours
		Consultations – 10 hours
		Assessment method: pass/fail test
Language	Ukrainian or English (chosen during registration)	

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*

Contact information: Olga.Korneliuk@vnu.edu.ua, Office 322, Building A

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

III. Description of the Educational Component

1. Course Abstract.

The elective educational component “Development of International Business in the Conditions of the Circular Economy” is aimed at developing students’ systematic understanding of the transformation of international business under the transition from a linear to a circular model of economic development. The course covers the theoretical and methodological foundations of the circular economy, international experience of its implementation, modern circular business models, and the specific features of transnational corporations, small and medium-sized enterprises operating under resource constraints, environmental challenges, and increasing sustainability requirements. Special attention is paid to the integration of resource efficiency and eco-efficiency principles into international business strategies, the analysis of industrial and corporate circular economy strategies, and the assessment of opportunities for adapting international experience to the conditions of Ukraine. The course has an applied focus and is designed to develop analytical thinking and practical skills for managerial decision-making in the international business environment..

2. Purpose and Objectives of the Educational Component.

The purpose of the course is to develop students’ theoretical knowledge and practical skills related to the development of international business in the conditions of the circular economy, as well as their ability to analyse, evaluate, and justify managerial decisions taking into account the principles of sustainable development, resource efficiency, and environmental responsibility. The objectives of the educational component are to enable students to: understand and apply the principles of the circular economy in analysing international business development; analyse international experience in implementing circular business models and assess the possibilities of their adaptation to national economic conditions; evaluate the effectiveness of international business strategies and models from

the perspectives of resource efficiency, eco-efficiency, and sustainable development; justify managerial decisions regarding the development of transnational corporations and small and medium-sized enterprises in the conditions of the circular economy; formulate well-argued conclusions and proposals on the implementation of circular approaches in international business.

3. Soft skills (Competences):

- Critical and systems thinking – the ability to analyse transformational processes in international business and assess the consequences of the transition to a circular economy;
- Analytical skills – the ability to work with international case studies, statistical data, and analytical reports;
- Managerial decision-making – the ability to justify business decisions considering economic, environmental, and social factors;
- Communication skills – the ability to present analytical results in a reasoned manner, engage in professional discussions, and work effectively in a team;
- Creativity and innovative thinking – the ability to generate ideas for implementing circular business models in international business;
- Environmental and social responsibility – awareness of the role of business in achieving sustainable development goals..

4. Structure of the Educational Component.

Titles of Content Modules and Topics	Total	Lect.	Sem.	Independent Study	Cons.	Assessment Method / Points
Topic 1. Theoretical Foundations of the Formation and Development of the Circular Economy	14	1	2	10	1	DS/7
Topic 2. Principles of the Circular Economy in the Context of Achieving the Sustainable Development Goals	14	1	2	10	1	DS/7
Topic 3. Strategic Documents and “Roadmaps” for the Development of the Circular Economy	14	1	2	10	1	DS/7
Topic 4. Methodological Approaches and Indicators for Assessing the Level of Circular Economy Development	14	1	2	10	1	DS/7
Topic 5. Transformation of Business Processes Based on the Principles of Circularity	14	1	2	10	1	DS/7
Topic 6. Circular Business Models: Essence, Typology, and Advantages in the Context of Global Challenges	16	1	2	12	1	DS/7
Topic 7. Activities of Transnational Corporations in the Context of the Transition to the Circular Economy	16	1	2	12	1	DS/7
Topic 8. European Experience in the Development of the Circular Economy and Opportunities for Its Adaptation in Ukraine	16	1	2	12	1	DS/7
Topic 9. Interaction between the State and Business in Ensuring the Implementation of Circular Economy Principles	16	1	2	12	1	DS/7
Topic 10. Bridging the Circularity Gap:	16	1	2	12	1	DS/7

Smart Business Models, Smart Cities, and Prospects for Implementing Circular Approaches in Ukraine						
Types of Final Assessment						
Written test (control test)						T/30
Total Hours / Points	150	10	20	110	10	100

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

5. Tasks for Independent Study.

1	Study of academic and analytical sources on circular economy issues and the development of international business, followed by the formulation of generalised conclusions regarding basic concepts and approaches
2	Analysis of international case studies on the implementation of circular business models in the activities of transnational corporations or small and medium-sized enterprises (using examples from EU countries and other regions of the world)
3	Comparative analysis of linear and circular business models with an assessment of their economic, environmental, and social effects in the context of international business
4	Assessment of the possibilities for adapting European experience in the circular economy to the conditions of Ukraine, taking into account the specific features of the national business environment as well as institutional and regulatory factors
5	Preparation of an analytical essay or presentation on one of the proposed course topics (circular business models, the role of TNCs, smart cities, interaction between the state and business, etc.) with a reasoned justification of the student's own position
6	Analysis of EU strategic documents and policies in the field of the circular economy, with the identification of their impact on the development of international business
7	Assessment of the role of the state in stimulating the development of circular business models through regulatory, financial, and institutional instruments
8	Development of proposals for the implementation of circular approaches in the activities of an international or national company, taking into account the principles of sustainable development and resource efficiency

IV. Assessment Policy

Teaching and learning are carried out in compliance with the provisions of the Code of Academic Integrity of VNU (<http://surl.li/aagxg>).

The course consists of one content module. The final grade on a 100-point scale is calculated as the total number of points obtained for: ongoing assessment of the relevant topics during seminar classes (70 points) and completion of tests (30 points). If a student did not attend certain classroom sessions for valid reasons, they have the right to complete make-up assignments for the missed classes and earn the number of points allocated to the missed topics by submitting written assignments in accordance with the instructions provided in the course tasks via Office 365 (Teams). On the date of the pass/fail assessment, the instructor records in the grade sheet the total number of points earned by the student during ongoing assessment (on a scale from 0 to 100 points). If the student has completed all types of coursework specified in the syllabus and has obtained at least 60 points, the total score is counted as the final result. If a student has obtained less than 60 points during ongoing assessment, they must take the pass/fail assessment during the elimination of academic arrears. The maximum number of points for the pass/fail assessment during the elimination of academic arrears is 100. On the day of the pass/fail assessment during the main examination session, it is not allowed to conduct additional oral questioning of the student, and the student is not permitted to submit any additional coursework or assignments provided by the syllabus of the educational component.

Module 1										Module 2	Total points
Content module 1											
1	2	3	4	5	6	7	8	9	10		
7	7	7	7	7	7	7	7	7	7	Test	
70 points										30 points	100

V. Final Assessment

The form of final assessment for the course is a pass/fail test. This form of final assessment involves evaluating the student's mastery of the course material based on the results of completing all types of planned work during the semester. No modular control tests are conducted. The maximum number of points during the elimination of academic arrears for the pass/fail test is 100. Re-taking the pass/fail test is allowed no more than twice for each educational component: once with the instructor; once with 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>).

Questions for Preparation for the Final Test

1. What difference between the circular economy and the linear economy most fully reflects its impact on international business?
2. Which principle of the circular economy has the greatest strategic importance for transnational corporations?
3. Which indicator is the most appropriate for assessing the level of circularity of a country's economy?
4. The "roadmaps" for the circular economy in the EU are primarily aimed at:
5. Which factor is the main driver of the transition of international business to circular models?
6. Which of the following business models is typical of the circular economy?
7. Why are circular business models often considered more resilient in the context of global crises?
8. Which role of transnational corporations in the development of the circular economy is decisive?
9. Which risk most often constrains the implementation of circular models in international business?
10. Which aspect of the circular economy is most closely linked to the UN Sustainable Development Goals?
11. What is the main difference between circular business processes and traditional ones?
12. Which approach is the most effective for evaluating circular business models?
13. What does the "circularity gap" mean in international practice?
14. Which factor is decisive for scaling circular business models?
15. Why do small and medium-sized enterprises play an important role in the development of the circular economy?
16. Which relationship between digitalisation and the circular economy is the most well-grounded?
17. Why is the concept of "smart cities" important for the development of the circular economy?
18. Which indicator best reflects the effectiveness of a company's circular business model?
19. Which strategy of transnational corporations is the most consistent with the principles of the circular economy?
20. Which factor is the most important for the successful implementation of the circular economy in Ukraine in the context of international business?
21. Which public policy instrument most strongly stimulates the development of circular business?
22. Why is the circular economy considered an element of the competitive strategy of international business?
23. Which approach is the most appropriate for overcoming the circularity gap at the business level?
24. Which characteristic most accurately distinguishes circular innovations from traditional ones?
25. What is the role of financial instruments in the development of circular international business?

26. Which risk is most typical for companies that ignore the transition to the circular economy?
27. Which of the following approaches best corresponds to the principles of sustainable international business?
28. Which element is important for integrating the circular economy into global value chains?
29. Why is interaction between the state and business a necessary condition for the development of the circular economy?
30. What strategic effect does the implementation of circular business models have for international business in the long term?

Grading Scale

Total score for all types of learning activities	Grade
90–100	Passed
82–89	
75–81	
67–74	
60–66	
1–59	Failed (re-sit 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 ХХІ. 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-Пориваєва 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>
9. Circular Economy Action Plan. For a cleaner and more competitive Europe. 2020. URL: https://ec.europa.eu/environment/circular-economy/pdf/new_circular_economy_action_plan.pdf