

**NATIONAL UNIVERSITY OF LIFE AND ENVIRONMENTAL SCIENCES OF
UKRAINE**

Department of Economic Theory

APPROVED

By the Dean of the Faculty of Economics

_____Anatoly DIBROVA

“ _____ ” _____ 2025 year

CURRICULUM OF ACADEMIC DISCIPLINE

ECONOMICS

Area of knowledge D "Business, Administration and Law"

Specialty D2 Finance, Banking, Insurance and Stock Market

Academic programme "Corporate Finance"

Faculty (Education and Research Institute) Economic

Developed by: Candidate of Economic Sciences, Associate Professor Vlasenko Yu.G.

Candidate of Economic Sciences, Associate Professor Pashchenko O.V.

Description of the discipline _____
(up to 1,000 printed characters)

Area of knowledge, specialty, academic programme, academic degree		
Academic degree	(bachelor's, master's)	
Specialty	code and name	
Academic programme	title	
Characteristics of the discipline		
Type	обов'язкова / вибіркова	
Total number of hours	240	
Number of ECTS credits	8	
Number of modules	4	
Course project (work) (if any)	-	
Form of assessment	exam / credit	
Indicators of the discipline for full-time and part-time forms of university study		
	University study	
	Full-time	Part-time
Year of study	1,2	
Term	2,3	
Lectures	60 hours	hours
Practical classes and seminars	60 hours	hours
Laboratory classes	- hours	hours
Self-study	120 hours	hours
Number of hours per week for full-time students	4 hours	

1. Aim, competences and expected learning outcomes of the discipline

Aim _____

Competences acquired:

Integral competence (IC): The ability to solve complex specialized tasks and practical problems in the course of professional activity in the field of finance, banking and insurance or in the process of training, which involves the application of individual methods and provisions of financial science and is characterized by the uncertainty of conditions and the need to take into account the complex requirements of carrying out professional and educational activities.

General competence (GC): ZK01. Ability for abstract thinking, analysis and synthesis.

Special (professional) competence (SC): SK01. Ability to research economic development trends using macro- and microeconomic analysis, to evaluate modern economic phenomena

Expected learning outcomes (ELO):

PR02. Know and understand the theoretical foundations and principles of financial science, the peculiarities of the functioning of financial systems.

PR14. Be able to think abstractly, apply analysis and synthesis to identify key characteristics of financial systems, as well as the behavioral characteristics of their subjects.

2. Programme and structure of the discipline

Modules and topics	Number of hours										
	full-time					part-time					
	weeks	total	including			total	including				
			l	p	s.st.		l	p	lab	ind.	s.st.
III semester Economics: MICROECONOMICS											
Module 1.											
Module 2.											
III semester Economics: MACROECONOMICS											
Module 3. Theoretical foundations of macroeconomics											
Topic 1. Macroeconomics as a science	16	8	2	2	4						
Topic 2. Title Macroeconomic indicators in the system of national accounts	17	8	2	2	4						
Topic 3. Labor market	18	10	2	2	6						
Topic 4. Commodity market	19	8	2	2	4						
Topic 5. Money market	20	8	2	2	4						
Topic 6. Inflationary mechanism	21	8	2	2	4						
Topic 7. Household consumption	22	8	2	2	4						
Topic 8. Private investments	23	8	2	2	4						
Total for module 1		66	16	16	34						
Module 4. Level of economic activity											
Topic 9. Aggregate spending and GDP	24	8	2	2	4						
Topic 10. Cyclical fluctuations and economic growth	25	8	2	2	4						
Topic 11. The state in the system of macroeconomic regulation	26	8	2	2	4						
Topic 12. Fiscal policy	27-28	10	4	4	6						
Topic 13. Monetary policy	29	8	2	2	4						

Topic 14. Foreign economic	30	8	2	2	4						
Total for module 2		54	14	14	26						
Total hours		120	30	30	60						
		240	60	60	120						
Total hours											
Course project (work)											
(if included in the curriculum)											
Total hours											

3. Topics of lectures

No.	Topic	Hours
II semester Economics: MICROECONOMICS		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
III semester Economics: MACROECONOMICS		
1	Macroeconomics as a science	2
2	Title Macroeconomic indicators in the system of national accounts	2
3	Labor market	2
4	Commodity market	2
5	Money market	2
6	Inflationary mechanism	2
7	Household consumption	2
8	Private investments	2
9	Aggregate spending and GDP	2
10	Cyclical fluctuations and economic growth	2
11	The state in the system of macroeconomic regulation	2
12	Fiscal policy	4
13	Monetary policy	2
14	Foreign economic	2
	Total hours	30
	Total hours	60

4. Topics of practical

No.	Topic	Hours
II semester Economics: MICROECONOMICS		
1		

2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

III semester Economics: MACROECONOMICS

1	Macroeconomics as a science	2
2	Title Macroeconomic indicators in the system of national accounts	2
3	Labor market	2
4	Commodity market	2
5	Money market	2
6	Inflationary mechanism	2
7	Household consumption	2
8	Private investments	2
9	Aggregate spending and GDP	2
10	Cyclical fluctuations and economic growth	2
11	The state in the system of macroeconomic regulation	2
12	Fiscal policy	4
13	Monetary policy	2
14	Foreign economic	2
	Total hours	30
	Total hours	60

5. Topics of self-study

No.	Topic	Hours
II semester Economics: MICROECONOMICS		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

III semester Economics: MACROECONOMICS		
1	Macroeconomics as a science	4
2	Title Macroeconomic indicators in the system of national accounts	4
3	Labor market	6
4	Commodity market	4
5	Money market	4
6	Inflationary mechanism	4
7	Household consumption	4
8	Private investments	4
9	Aggregate spending and GDP	4
10	Cyclical fluctuations and economic growth	4
11	The state in the system of macroeconomic regulation	4
12	Fiscal policy	6
13	Monetary policy	4
14	Foreign economic	4
	Total hours	60
	Total hours	120

6. Methods of assessing expected learning outcomes:

(select necessary or add)

- oral or written survey;
- interview;
- test;
- defending laboratory/practical, design/graphical works, projects;
- peer-to-peer assessment, self-assessment.

7. Teaching methods *(select necessary or add)*:

- problem-based method;
- practice oriented studying method;
- case method;
- project education method;
- flipped classroom, mixed education method;
- research based method;
- learning discussions and debates method;
- team work, brainstorm method
- gamification studying method.

8. Results assessment.

The student's knowledge is assessed by means of a 100-point scale converted into the national grades according to the "Exam and Credit Regulations at NULES of Ukraine" in force

8.1. Distribution of points by types of educational activities

Educational activity	Results	Assessment
Lecture 1.		
Laboratory/practical work 1.		
Self-study <i>(if any)</i> 1.		

III semester Economics: MACROECONOMICS
Module 3. Theoretical foundations of macroeconomics

Lecture 1. Macroeconomics as a science		-
Laboratory/practical work 1. Macroeconomics as a science	To master the theoretical foundations, to clarify the essence and history of the development of macroeconomics; to consider the stages of the formation of macroeconomic theory. To analyze the levels of macroeconomics. To know the object, subject, subject, functions and tasks of macroeconomics. Understand the place of macroeconomics in the system of economic sciences. Analyze macroeconomic modeling and models of circular flows of resources, products, costs, and income.	3
Self-study (if any) 1. Macroeconomics as a science		-
Lecture 2 (if assessed) Title Macroeconomic indicators in the system of national accounts		-
Laboratory/practical work 2. Title Macroeconomic indicators in the system of national accounts	Know the principles of constructing the system of national accounts, the methodology and techniques for calculating macroeconomic indicators and economic indices.	3
Self-study (if any) 2. Title Macroeconomic indicators in the system of national accounts		-
Lecture 3 (if assessed) Labor market		-
Laboratory/practical work 3. Labor market	Analyze employment and unemployment. Know indicators of the level of labor utilization. Understand types of unemployment and employment. Analyze the mechanism of the labor market. Understand the consequences of unemployment. Know Okun's law. Determine the main directions of regulating the level of unemployment.	3
Self-study (if any) 3. Labor market		-
Lecture 4 (if assessed) Commodity market		-
Laboratory/practical work 4. Commodity market	Know the structure of aggregate demand and supply. Analyze the aggregate demand curve AD and the aggregate supply curve AS, their price and non-price factors. Be able to analyze the equilibrium of aggregate demand and aggregate supply.	3
Self-study (if any) 4. Commodity market		-
Self-study 3		12
Lecture 5 (if assessed) Money market	Know the essence of money supply and monetary aggregates. Understand the formation of the monetary base and its components. Be able to calculate the money multiplier, cash ratio, reserve ratio. Know the classical theory of money demand. Analyze Keynes's works on the motives of the demand for money, the Keynesian equation of the demand for money and the function of the demand for money. Analyze the mechanism of the money market, equilibrium in the money market.	-
Laboratory/practical work 5. Money market		3
Self-study (if any) 5. Money market		-
Lecture 6(if assessed) Inflationary mechanism	Know the essence and types of inflation, the inflation rate and methods of its calculation. Understand the causes and consequences of inflation. Analyze the Keynesian theory of the causes of inflation and its shortcomings. Understand the role of money in the inflation mechanism. Be able to analyze the factors of demand and cost inflation. Reveal the features of the relationship between inflation and	-
Laboratory/practical work 6. Inflationary mechanism		3
Self-study (if any) 6. Inflationary mechanism		-

	unemployment.	
Lecture 7 (<i>if assessed</i>) Household consumption	Understand the formation of household income. Analyze household income and expenditure in the economic circular model. Know household savings and consumption. Analyze the relationship between income differentiation and consumption, the Keynesian consumption function. Know the factors of autonomous consumption. Be able to analyze consumption functions taking into account the time factor, Fisher's theory, Modigliani's life cycle hypothesis, and the constant income hypothesis.	-
Laboratory/practical work 7. Household consumption		4
Self-study (<i>if any</i>) 7. Household consumption		4
Lecture 8 (<i>if assessed</i>) Private investments	Know the essence, types and role of investments in the economy. Be able to analyze the investment function. Be aware of the factors of investment. Be able to analyze savings and investments. Be aware of the peculiarities of the investment process in Ukraine.	-
Laboratory/practical work 8. Private investments		3
Self-study (<i>if any</i>) 8. Private investments		-
Self-study 4		12
Presentations		10
Module control work 1.		30
Total for module 1		100
Module 4. Module 4. Level of economic activity		
Lecture 9 (<i>if assessed</i>) Aggregate spending and GDP	Be able to analyze aggregate spending and equilibrium GDP. Understand the essence of the multiplier effect. Know the calculation of a simple multiplier. Be able to analyze recessionary and inflationary gaps in the economy.	-
Laboratory/practical work 9. Aggregate spending and GDP		4
Self-study (<i>if any</i>) 9. Aggregate spending and GDP		-
Lecture 10 (<i>if assessed</i>) Cyclical fluctuations and economic growth	To form knowledge about the essence and causes of economic cyclicity. To know the types of cycles. To know the essence of economic growth. To be able to analyze economic growth based on the AD-AS model and the production possibilities curve. Accumulation as a criterion for maximizing the level of consumption. The impact of technological progress on economic growth.	-
Laboratory/practical work 10. Cyclical fluctuations and economic growth		4
Self-study (<i>if any</i>) 10. Cyclical fluctuations and economic growth		-
Lecture 11 (<i>if assessed</i>) The state in the system of macroeconomic regulation	Be able to analyze classical, Marxist, Keynesian theories of state regulation. Analyze the prerequisites and basic provisions of the emergence of Keynesian theory. Understand the role of the state in the economic cycle. Know the methods and functions of state regulation.	-
Laboratory/practical work 11. The state in the system of macroeconomic regulation		4
Self-study (<i>if any</i>) 11. The state in the system of macroeconomic regulation		-
Self-study 5		12
Lecture 12 (<i>if assessed</i>) Fiscal policy	Be able to choose the tools of fiscal macroeconomic policy for its goals, reveal the features of the formation of the state budget; develop skills in analyzing the causes of a persistent budget deficit and growing state debt and their impact on the national economy. Know the essence of taxes and their types.	-
Laboratory/practical work 12. Fiscal policy		5
Self-study (<i>if any</i>) 12. Fiscal policy		-

Lecture 13(<i>if assessed</i>) Monetary policy	To develop an understanding of the structural components of the monetary system, to form knowledge about the goals and methods of monetary policy, to develop skills in analyzing the tools of monetary policy and the functioning of its transmission mechanism. To understand the peculiarities of the functioning of the credit market.	-
Laboratory/practical work 13. Monetary policy		5
Self-study (<i>if any</i>) 13. Monetary policy		5
Lecture 14 (<i>if assessed</i>) Foreign economic	Know the essence of the balance of payments and the methodology for its compilation. Know the types of exchange rates. Understand the methods of currency quotation. Understand the essence of currency and their types. Awareness of the impact of foreign trade on the economy. Research the impact of foreign trade on the conditions for the formation of economic equilibrium. Analysis of the impact of net exports on GDP, expenditure multiplier in an open economy.	-
Laboratory/practical work 14. Foreign economic		4
Self-study (<i>if any</i>) 14. Foreign economic		-
Self-study 5		12
Presentations		10
Module control work 4.		30
Total for module 2		100
Class work	(M1 + M2)/2*0,7 ≤ 70	
Exam/credit	30	
Total for year	(Class work + exam) ≤ 100	
Course project/work (<i>if any</i>)		100

8.2. Scale for assessing student's knowledge

Student's rating, points	National grading (exam/credits)
90-100	excellent
74-89	good
60-73	satisfactory
0-59	unsatisfactory

8.3. Assessment policy

Deadlines and exam retaking rules	<i>EXAMPLE:</i> works that are submitted late without valid reasons will be assessed with a lower grade. Module tests may be retaken with the permission of the lecturer if there are valid reasons (e.g. a sick leave).
Academic integrity rules	<i>EXAMPLE:</i> cheating during tests and exams is prohibited (including using mobile devices). Term papers and essays must have correct references to the literature used
Attendance rules	<i>EXAMPLE:</i> Attendance is compulsory. For good reasons (e.g. illness, international internship), training can take place individually (online by the faculty dean's consent)

9. Teaching and learning aids:

1. ENC Economics: Microeconomics: URL: <https://elearn.nubip.edu.ua/course/view.php?id=>

2. ENC Economics: Macroeconomics URL: <https://elearn.nubip.edu.ua/course/view.php?id=2067>
3. The electronic course is available on the NUBIP platform of Ukraine. Elearn. "Economics". URL: <https://elearn.nubip.edu.ua/course/view.php?id=708>
4. Butenko V.M., Pashchenko O.V. Methodical instructions for studying the discipline "Economics" for applicants of the first (bachelor's) level of higher education in the specialty 072 "Accounting and Taxation" OP "Accounting and Audit". Kyiv. Pub. "Scientific Capital", 2024. 320 p.
5. Talavirya M.P., Betenko V.M., Bolgarova N.K., Vlasenko Y.G., Gushcha I.O., Pashchenko O.V. Economics. Textbook. Kyiv: Editorial and Publishing Department of NUBiP of Ukraine., 2023. 532 p.
6. Zadoya A.O., Zadoya O.A. Microeconomics: tutorial. [Electronic edition]. Dnipro: Alfred Nobel University, 2021. 148 p.
7. S.M. Panchyshyn. Macroeconomics. Ed. Apriori, 2022. 524 p.
8. Kozakova O.M., Zabarna E.M. Macroeconomics. Textbook, 2024. 428 p.
9. Martyn Olga Maksymivna Economic theory (microeconomics, macroeconomics). Part 1. Microeconomics: textbook. Lviv: LDU BZhD, 2024. 321 p.
10. Rudy M.M. Microeconomics. Textbook. Produced by Karavel, 2023. 360 p.
11. Economics. Part 1: Introduction to Economics. Microeconomics: Textbook / Baula O.V., Visyna T.M., Lyutak O.M., Savosh L.V., Kravchuk O.Ya., Zelinska O.M., Polyanska T.O. Luts'k: SPD Hadyak Zhanna Volodymyrivna, printing house "Volynpoligraf", 2021. 320 p.
12. Economic theory: textbook. Kh.: Publ. Ivanchenko I.S., 2020. 230 p.
13. Macro- and microeconomics [Electronic resource]: teaching. pos. / M.S. Bril, O.M. Klimenko, A.V. Lytvynenko and others; under the general editorship of Dr. Econ. Sciences, Associate Professor M.A. Mashchenko. Kharkiv: KhNEU named after S. Kuznets, 2021. 214 p.
14. Kibik O.M., Redina E.V., Khaiminova Yu.V., Kotlubay V.O., Primachenko I.F., Kalmykova N.Yu. Macroeconomics. Microeconomics: workshop. Odesa, 2020. 76 p.
15. Kozakova O.M., Zabarna E.N. Macroeconomics; Odessa National Polytechnic University. Kherson: Oldi-plus, 2024. 428 p.
16. Macroeconomics: lecture notes. Sumy: Sumy National Agrarian University, 2023. 112p.
17. Macroeconomics: lecture notes in structural and logical schemes / O.A. Kulinich, Ya. M. Kotko. Electronic. data. Kh.: DBTU, 2024. 117 p.
18. Macroeconomics: Workshop [Electronic resource]: teaching aids. Igor Sikorsky Kyiv Polytechnic Institute; compiled by S.O. Tulchynska, N. M. Pokrovska. Electronic text data (1 file: 4.5 MB). Kyiv: Igor Sikorsky Kyiv Polytechnic Institute, 2023. 154 p.
19. Macro- and microeconomics [Electronic resource]: methodological recommendations for practical tasks / compiled by M. S. Bril, O. O. Ermolenko. Kharkiv: S. Kuznets KhNEU, 2023. 48 p.
20. Martyn O. M. Economic theory (microeconomics, macroeconomics). Part 1. Microeconomics: a textbook. Lviv: LDU BZhD, 2024. 321 p.
21. Microeconomics: lecture notes for students of higher education in economic specialties, first (bachelor's) RVO / ed. O.A. Kulinich, Kotko Ya.M. [Electronic resource]. Kh.: DBTU, 2024. 42 p.
22. Microeconomics: Textbook / N.M. Kameneva, M.V. Kosych, O.Yu. Aleksandrova and others. Kharkiv: UkrDUZT, 2022. 305 p.
23. Micro- and macroeconomics: textbook / comp. O.I. Andrus. Electronic text data (1 file: 2.85 MB). Kyiv: Igor Sikorsky Kyiv Polytechnic Institute, 2022. 325 p. URL: <https://ela.kpi.ua/server/api/core/bitstreams/c47643b5-463e-4128-8977-88f7b96f947/content>
24. Microeconomics: textbook / comp. S.V. Boyda. Chernivtsi: Chernivtsi. nat. univ-t., 2021. 176 p.
25. Micro- and macroeconomics: [Electronic resource]: tutorial / compiled by O.I. Andrus. Electronic text data (1 file: 2.85 MB). Kyiv: Igor Sikorsky Kyiv Polytechnic Institute, 2022. 325 p.
26. Panchyshyn S. M. Macroeconomics: Methodological advice and plans for practical classes. 10th ed., revised and supplemented. Lviv: Ivan Franko Lviv National University, 2020. 118 p. https://econom.lnu.edu.ua/wp-content/uploads/2020/11/Macroeconomics-Metod-Panchyshyn_SM_2020.pdf
27. Tulchynska S. O. Tutorial Macroeconomics: practical course [Electronic resource]: educational. post. / S.O. Tulchynska, S.O. Solosich, O.V. Kostyunyk. Igor Sikorsky Kyiv Polytechnic Institute. Electronic text data (1 file). Kyiv: Igor Sikorsky Kyiv Polytechnic Institute, 2024. 83 p.
28. Shkodina I.V. Microeconomics: educational and methodological post. Kharkiv: Yaroslav the Wise National Law University, 2020. 128 p.
29. Fisunenko N.O. Macroeconomics: a textbook/ N.O. Fisunenko, T.V. Alyoshina, O.A. Sidorov, V.G. Myachyn. Dnipro: DDUVS, 2023. 148 p.
30. Global finance. URL: <https://www.gfmag.com>
31. Verkhovna Rada of Ukraine website URL: <http://www.zakon.rada.gov.ua>

32. Cabinet of Ministers of Ukraine website URL: <http://www.kmu.gov.ua> 33. Ministry of Finance website URL: <http://www.minfin.gov.ua> 34. State Tax Service of Ukraine website URL: <http://www.tax.gov.ua> 35. State Statistics Service of Ukraine website URL: <http://www.ukrstat.gov.ua> 36. National Institute for Strategic Studies website URL: <http://www.niss.gov.ua> 37. Website Center for Prospective Social Research URL: <http://www.cpsr.org.ua> 38. Website Antimonopoly Committee of Ukraine URL: <http://www.amc.gov.ua> 39. Website Institute of Economics and Forecasting of the National Academy of Sciences of Ukraine: <http://www.ief.org.ua> 40. Website V. Vernadsky Library URL: <http://www.nbu.gov.ua> 41. Website URL: <https://zakon.rada.gov.ua/laws> 42. Website URL: <http://www.lib.nau.edu.ua/main/> 43. Website URL: <http://www.library.univ.kiev.ua/ukr/title4.php3> 44. Website URL: <http://www.nbu.gov.ua/> 45. Website of the National Bank of Ukraine. URL: <https://bank.gov.ua> 46. Website of the World Bank URL: <http://www.worldbank.org> 47. International Monetary Fund website. URL: <http://www.imf.org> 48. National Securities and Stock Market Commission. URL: www.ssmc.gov.ua 49. National Library of Ukraine named after V.I. Vernadsky. URL: www.nbu.gov.ua 50. Internet library "Securities of Ukraine". URL: www.securities.org.ua 51. Ukrainian Association of Investment Business. URL: www.uaib.com.ua

Recommended sources of information

1. Zamula I.V., Travin V.V. Microeconomics: teaching. post. Zhytomyr: State University "Zhytomyr Polytechnic". 2020. 196 p.
2. Economic Theory: Teaching. post. Kh.: Ivanchenko I.S. Publishing House, 2020. 230 p.
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5. Macroeconomics. Microeconomics: practical course. Odesa, 2020. 76 p.
6. Macroeconomics: tutorial. [Electronic resource]. A.O. Zadoya, Yu.E. Petrunya. Dnipro: Alfred Nobel University. 2022. 256 p.
7. Macroeconomics. Manual. O. Bazalinska. K. Center for Educational Studies. 2023. 442 p.
8. Martyn O. M. Microeconomics: theory, tests, problems. Part I: tutorial. Lviv: LSU BZhD. 2021. 271 p.
9. Macroeconomics: Practical course [Electronic resource]: teaching aid / compiled by S.O. Tulchynska, N.M. Pokrovskaya. Electronic text data (1 file: 4.5 MB). Kyiv: Igor Sikorsky Kyiv Polytechnic Institute, 2023. 154 p.
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11. Martyn O.M. Economic theory (microeconomics, macroeconomics). Part 1. Microeconomics: tutorial. Lviv: LDU BZH, 2024. 321 p.
12. Macroeconomics. Tutorial. Mykola Makarenko. Pub.: Center for Educational Literary Studies, 2021. 216 p.
13. Microeconomics. Workshop. Halyna Grontovska, Alla Kosik. Pub.: Center for Educational Literary Studies, 2020. 418 p.
14. Microeconomics. Ignatyuk A.I. K.: Lira-K. Publishing House, 2023. 420 p.
16. Microeconomics: textbook. General editor. A.I. Ignatyuk. Kyiv: Lyra-K. Publishing House, 2023. 420 p.
17. Microeconomics: theory and examples of solving problems. Teaching aids. Publishing House University Book., 2023. 320 p.
18. Microeconomics: lecture notes / incl. O.A. Kulinich, Kotko Ya.M. [Electronic resource]. Kh.: DBTU, 2024. 42 p.
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22. Microeconomics. Ignatyuk A.I. K. Ed. Lira. K., 2023. 420 p.

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27. Macroeconomics. Manual. O. Bazalinska. K. Center for Studies. 2023. 442 p.
28. Martyn O. M. Microeconomics: theory, tests, problems. Part I: tutorial. Lviv: LSU BZhD, 2021. 271 p.
29. Microeconomics: Tutorial. / N.M. Kameneva, M.V. Kosych, O.Yu. Aleksandrova and others. Kharkiv: UkrDUZT, 2022. 305 p.
31. Macroeconomics. Textbook. Mykola Makarenko. Publ.: Center for Academic Literary Studies, 2021. 216 p.
32. Petro Ostroverkh, Stepan Panchyshyn Analytical Economics. Macroeconomics and Microeconomics. Book 1. K.: Publ. Apriori, 2020. 648 p.14.
33. Petrushenko Yu.M. Micro-and Macroeconomics. Textbook. Universal Book, 2023. 320 p.
34. Stepan Panchyshyn. Macroeconomics. Publ. Apriori. 2022. 524 p.
35. Petro Ostroverkh, Stepan Panchyshyn Analytical Economics. Macroeconomics and Microeconomics. Book 1, Kyiv: Apriori Publishing House, 2020. 648 p.14.
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