

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

Department of Entrepreneurship organization and Exchange Activities

**APPROVED**

Economic Faculty

“\_\_12\_\_” \_\_\_\_ June \_\_\_\_ 2025 \_\_\_\_

**CURRICULUM OF ACADEMIC DISCIPLINE  
INTERNATIONAL EXCHANGE ACTIVITIES**

Area of knowledge 05 Social and Behavioral Science

Specialty 051 Economics

Academic programme International Economics

Faculty Economic

Developed by: Ph.D., associate professor Valentyna YAVORSKA

## Description of the discipline “International Exchange Activities”

*The discipline "International Exchange Activities" is an important component of the training of highly qualified bachelors in international economics. The program of study of the academic discipline "International Exchange Activities" is compiled in accordance with the educational and professional program for the training of bachelors in the specialty 051 Economics.*

*The subject of study of the academic discipline is the formation of theoretical knowledge and practical skills in the international exchange activities, which will ensure the formation of professional competencies in the training of specialists in the AP "International Economics".*

Area of knowledge, specialty, academic programme, academic degree		
Academic degree	bachelor's	
Specialty	051 Economics	
Academic programme	International Economics	
Characteristics of the discipline		
Type	Compulsory	
Total number of hours	120	
Number of ECTS credits	4	
Number of modules	2	
Course project (work) (if any)		
Form of assessment	exam	
Indicators of the discipline for full-time and part-time forms of university study		
	University study	
	Full-time	Part-time
Year of study	4	
Term	8	
Lectures	15 hours	
Practical classes and seminars	30 hours	
Laboratory classes	-	
Self-study	75 hours	
Number of hours per week for full-time students	3 hours	

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

**Aim:** studies the mechanism of organization and technology of international exchange activity. The purpose of studying the course is to form the future specialist's theoretical foundations and practical skills in the international exchange trading and the effective use of derivatives exchange transactions in their future professional activities.

#### Objectives:

- formation of students' knowledge of international exchange trading;
- acquisition of practical skills in: international stock exchanges trading;
- organization of relations with international brokerage traders;
- use of fundamental and technical analysis.

#### Acquisition of competences:

**Integral competence (IC):** The ability to solve complex specialized problems and practical problems in the economic sphere, which are characterized by the complexity and uncertainty of conditions, which involves the application of economic theories and methods science.

#### General competences (GC):

GC 7. Information and communication skills.

#### Special (professional) competences (SC):

SC 5. Understanding the features of the modern world and national economy, their institutional structure, substantiation of social, economic and foreign economic policy of the state.

SC 6. Ability to apply economic and mathematical methods and models for solving economic problems.

SC 9. Ability to predict based on standard theoretical and econometric models of socio-economic processes.

SC 13. Ability to conduct economic analysis functioning and development of business entities, evaluation their competitiveness.

### **Expected Learning Outcomes (ELO):**

ELO 5. Apply analytical and methodical tools for substantiating proposals and acceptance management decisions by various economic agents (individuals, households, enterprises and state authorities).

ELO 13. Ability to conduct economic analysis functioning and development of business entities, assessment their competitiveness.

ELO 16. Be able to use data, provide arguments, critically evaluate logic and form scientific conclusions and analytical texts on economics.

ELO 17. Perform an interdisciplinary analysis of socio-economic phenomena and problems in one or more professional areas, taking into account risks and possible socio-economic consequences.

## **2. Programme and structure of the discipline**

Modules and topics	Number of hours													
	full-time							part-time						
	weeks	total	including					total	including					
			1	p	lab	ind.	s.st.		1	p	lab	ind.	s.st.	
Module 1. Theoretical principles of international exchange trading														
Topic. 1: Economic essence, role and functions of international exchange activity		4	1	2										
Topic. 2: Analytical assessment of international stock exchanges		6	2	4										
Topic. 3: Stock exchanges of North America		4	2	2										
Topic. 4: European Stock exchanges		3	1	2										
Topic. 5: Stock exchanges of South America		3	1	2										
Topic. 6: Asian Stock exchanges		3	1	2										
Total for module 1		62	8	14			40							
Module 2. Practical principles of the international exchange trading by regions														
Topic. 7: International stock exchange associations		5	1	4										
Topic. 8: Internet-trading		6	2	4										
Topic. 9: Types of trading strategies		6	2	4										
Topic. 10: Cryptocurrencies derivatives		6	2	4										
Total for module 2		58	7	16			35							
Total hours		120	15	30			75							

## **3. Topics of lectures**

No.	Topic	Hours
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1	Topic. 1: Economic essence, role and functions of international exchange activity	1
2	Topic. 2: Analytical assessment of international stock exchanges	2
3	Topic. 3: Stock exchanges of North America	2
4	Topic. 4: European Stock exchanges	1
5	Topic. 5: Stock exchanges of South America	1
6	Topic. 6: Asian Stock exchanges	1
7	Topic. 7: International stock exchange associations	1
8	Topic. 8: Internet-trading	2
9	Topic. 9: Types of trading strategies	2
10	Topic. 10: Cryptocurrencies derivatives	2

#### 4. Topic of practical classes

No.	Topic	Hours
1	Topic. 1: Economic essence, role and functions of international exchange activity	2
2	Topic. 2: Analytical assessment of international stock exchanges	4
3	Topic. 3: Stock exchanges of North America	2
4	Topic. 4: European Stock exchanges	2
5	Topic. 5: Stock exchanges of South America	2
6	Topic. 6: Asian Stock exchanges	2
7	Topic. 7: International stock exchange associations	4
8	Topic. 8: Internet-trading	4
9	Topic. 9: Types of trading strategies	4
10	Topic. 10: Cryptocurrencies derivatives	4

#### 5. Topics of self-study

No.	Topic	Hours
1	Topic 1-6. Theoretical principles of international exchange trading.	40
2	Topic 7-10. Practical principles of the international exchange trading by regions.	35

#### 6. Methods of assessing expected learning outcomes:

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

#### 7. Teaching methods:

- problem-based method;
- practice oriented studying method;
- case method;
- project education method;
- research based method;
- learning discussions and debates method;
- team work, brainstorm 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
<b>Module 1. Theoretical principles of organization of exchange activities.</b>		
Practical work 1.	<b>ELO 5, 13, 16.</b> Understand the economic essence of economic essence, role and functions of international exchange activity. Study the analytical assessment of international stock exchanges. Analyze the international exchange situation of organized markets and apply the knowledge gained in practice. Develop trading strategies based on the use of the trading simulator of the Chicago Mercantile Exchange CME Group.	<b>10</b>
Practical work 2.		<b>10</b>
Practical work 3.		<b>5</b>
Practical work 4.		<b>5</b>
Practical work 5.		<b>10</b>
Practical work 6.		<b>10</b>
Practical work 7.		<b>10</b>
Self-study1.	<b>ELO 13, 17.</b> Understand the features of exchange trading in various types of derivatives. Analyze the international exchange situation of organized markets and apply the knowledge gained in practice.	<b>10</b>
Module control work 1.		<b>30</b>
<b>Total for module 1</b>		<b>100</b>
<b>Module 2. Organizational principles of the international exchange trading in derivatives.</b>		
Practical work 8.	<b>ELO 5, 13, 16.</b> Understand the technological principles of Internet-trading. Identify the basic organizational conditions of Types of trading strategies. Analyze the international exchange situation of organized markets and apply the knowledge gained in practice. Develop trading strategies based on the use of the trading simulator of the Chicago Mercantile Exchange CME Group.	<b>5</b>
Practical work 9.		<b>5</b>
Practical work 10.		<b>5</b>
Practical work 11.		<b>10</b>
Practical work 12.		<b>10</b>
Practical work 13.		<b>5</b>
Practical work 14.		<b>10</b>
Practical work 15.		<b>10</b>
Self-study2.	<b>ELO 13, 17.</b> Understand the peculiarities of stock exchange activity. Analyze the international stock market situation of organized markets and apply the knowledge gained in practice.	<b>10</b>
Module control work 2.		<b>30</b>
<b>Total for module 2</b>		<b>100</b>
<b>Class work</b>	<b><math>(M1 + M2)/2 \cdot 0,7 \leq 70</math></b>	
<b>Exam/credit</b>	<b>30</b>	
<b>Total for year</b>	<b><math>(\text{Class work} + \text{exam}) \leq 100</math></b>	

### 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

<b>Deadlines and exam retaking rules</b>	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).
<b>Academic integrity rules</b>	cheating during tests and exams is prohibited (including using mobile devices). Term papers and essays must have correct references to the literature used
<b>Attendance rules</b>	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:

- e-learning course of the discipline <https://elearn.nubip.edu.ua/course/view.php?id=1855>;
- references to digital educational resources <https://elearn.nubip.edu.ua/course/view.php?id=1855>;
- textbooks, manuals, tutorials <https://elearn.nubip.edu.ua/course/view.php?id=1855>;
- guidelines for studying a discipline by full-time and part-time students:
- . Методичні вказівки до вивчення дисципліни «Міжнародна біржова діяльність» для здобувачів першого (бакалаврського) рівня вищої освіти ОПП «Міжнародна економіка» спеціальності 051 Економіка. Київ : НУБІП України, 2024. 95 с.
- Ільчук М. М., Яворська В. О. Міжнародна біржова діяльність : навч. посіб. Київ : НУБІП України, 2024. 588 с.

### 10. Recommended sources of information

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2. Ільчук М.М., Яворська В.О., Радько В.І. Організаційні засади здійснення біржових операцій на біржовому ринку. Інфраструктура ринку. 2021. №52. URL: [http://www.market-infr.od.ua/journals/2021/52\\_2021/6.pdf](http://www.market-infr.od.ua/journals/2021/52_2021/6.pdf).
3. Масло А. І. Роль та економічне призначення ф'ючерсних контрактів на організованих товарних ринках. Вісник СНАУ. № 2 (102). 2025. С. 13-17.
4. Солодкий М.О., Ільчук М.М., Яворська В.О. Біржова торгівля на товарних ринках: навч. посіб. Київ : Нубіп України, 2023. 642 с.
5. Сохацька О.М., Панасюк В.М., Роговська-Іщук І.В., Вінницький С.І. Фундаментальний та технічний аналізи міжнародних ринків : навч. посіб. Тернопіль : ЗУНУ, 2022. 309 с.
6. Сутність та особливості фундаментального аналізу міжнародного валютного ринку. Види економічних індикаторів. URL: <http://library.if.ua/book/131/8725.html>.
7. Фундаментальний аналіз фінансових інвестицій. Фінансові коефіцієнти. Індекс Альтмана. Точка беззбитковості. Леверидж. URL: <http://library.if.ua/book/82/5816.html>.
8. Фундаментальний аналіз ринку фінансових інвестицій. URL: [http://pidruchniki.com/11970524/investuvannya/fundamentalniy\\_analiz\\_rinku\\_finansovih\\_investitsiy](http://pidruchniki.com/11970524/investuvannya/fundamentalniy_analiz_rinku_finansovih_investitsiy).
9. Яворська В.О., Солодкий М.О. Особливості підготовки фахівців з підприємництва, торгівлі та біржової діяльності. Економіка та суспільство. №29. 2021. URL: <https://doi.org/10.32782/2524-0072/2021-29-5>.
10. Яворська В.О. Аналіз торгівлі деривативними контрактами на міжнародних біржах. Інфраструктура ринку. 2022. № 68. URL: <https://doi.org/10.32782/infrastuct68-13>.
11. Яворська В.О. Аналіз ринків капіталу та організованих товарних ринків. Інфраструктура ринку. 2022. № 69. URL: <https://doi.org/10.32782/infrastuct69-5>.
12. Яворська В.О. Аналіз біржової торгівлі деривативами на міжнародних товарних і фондових біржах. Інфраструктура ринку. 2023. № 75. URL: <https://doi.org/10.32782/infrastuct69-5>.
13. Яворська В.О., Глуша А.С. Оцінка міжнародної біржової торгівлі ф'ючерсами та опціонами. Інфраструктура ринку. 2024. № 80. URL: <https://doi.org/10.32782/infrastuct80-33>.

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15. Derivatives Market. URL: <https://www.sciencedirect.com/topics/economics-econometrics-and-finance/derivatives-market>.
16. Derivative Markets and Instruments. URL: <https://www.cfainstitute.org>.
17. Fundamental analysis. URL: <https://www.cmcmarkets.com/en/trading-guides/fundamental-analysis>.
18. Technical Analysis – A Beginner’s Guide. URL: <https://corporatefinanceinstitute.com/resources/career-map/sell-side/capital-markets/technical-analysis>.
19. Technical Analysis. URL: <https://www.cfainstitute.org/en/membership/professional-development/refresher-readings/technical-analysis>.
20. World Federation of Exchanges. URL: <https://www.world-exchanges.org>.
21. Офіційний сайт Верхована Рада України. URL: [www.rada.gov.ua](http://www.rada.gov.ua).
22. Офіційний сайт Державна служба статистики України. URL: [www.ukrstat.gov.ua](http://www.ukrstat.gov.ua)
23. Офіційний сайт Національна комісія з цінних паперів та фондового ринку. URL: <https://www.nssmc.gov.ua>
24. Офіційний сайт Комісія з товарної ф’ючерсної торгівлі США. URL: [www.cftc.gov](http://www.cftc.gov).
25. Офіційний сайт Чиказька товарна біржа. URL: [www.cme.com](http://www.cme.com).
26. Офіційний сайт Українська біржа. URL: <http://www.ux.ua>
27. Офіційний сайт Українська енергетична біржа. URL: <https://www.ueex.com.ua>
28. Офіційний сайт Українська універсальна біржа. URL: <https://sale.uub.com.ua>.