

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

Department of Banking and Insurance

APPROVED

by the Dean of the Faculty of Economics
_____ Anatolii DIBROVA
“13” June 2025 y.

APPROVED

at the meeting of the Department of
Banking and Insurance
Minutes No.10 of “28” May 2025 y.
Head of the Department _____
Victoriia KOSTIUK

REVIEWED

Guarantor of the AP «Finance and credit»
_____ Yuliia NEHODA

CURRICULUM OF ACADEMIC DISCIPLINE

INSURANCE

Area of knowledge **07 «Management and administration»**

Specialty **072 «Finance, Banking, Insurance and Stock Market»**

Academic programme **«Finance and credit»**

Faculty (Education and Research Institute) **of Economics**

Developed by: **Associate Professor of the Department of Banking and Insurance,
PhD, Associate Professor Ruslana Opalchuk**

Description of the discipline

The discipline «**Insurance**» is aimed at forming in higher education applicants a systematic understanding of the theoretical foundations and the formation of practical skills in organizing insurance activities as a tool for protecting the property interests of individuals and legal entities in the event of insurance risks. Studying the course ensures the acquisition of knowledge about the functioning of the insurance market, the institutional structure of the insurance system, the main areas of activity of insurance companies, as well as the mechanisms for the formation and implementation of insurance services. Students must master the regulatory and legal foundations of domestic and international insurance, the classification of insurance products, methods of actuarial calculations of tariff rates, the principles of building an effective system of insurance coverage and risk management. They also acquire skills in analytical evaluation of insurance programs, calculation of insurance payments, and selection of optimal insurance options in accordance with the needs of insurance entities.

Area of knowledge, specialty, academic programme, academic degree		
Academic degree	bachelor's	
Specialty	072 «Finance, Banking, Insurance and Stock Market»	
Academic programme	Finance and credit	
Characteristics of the discipline		
Type	mandatory	
Total number of hours	240	
Number of ECTS credits	8	
Number of modules	4	
Course project (work) (if any)	-	
Form of assessment	credit, exam	
Indicators of the discipline for full-time and part-time forms of university study		
	University study	
	Full-time	Part-time
Year of study	2,3	-
Term	4,5	-
Lectures	60 hours	-
Practical classes and seminars	60 hours	-
Laboratory classes	- hours	-
Self-study	120 hours	-
Number of hours per week for full-time students	4 hours	-

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

Aim: formation among higher education students of a system of knowledge about the theoretical principles and practical mechanisms of the functioning of the insurance market, the organization of insurance activities, risk management methods, as well as the development of skills for making informed decisions regarding insurance protection of the property interests of individuals and legal entities.

Competences acquired:

Integral competence (IC): integral competence (IC): the ability to solve complex specialized tasks and practical problems in the field of finance, banking and insurance in the course of professional activity 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 professional and educational activities.

Special (professional) competence (SC):

SC03. Ability to diagnose the state of financial systems (public finances, including budget and tax systems, finances of business entities, household finances, financial markets, banking system and insurance).

SC05. Ability to apply knowledge of legislation in the field of monetary, fiscal regulation and regulation of the financial and stock market.

SC06. Ability to apply modern information and software to obtain and process data in the field of finance, banking and insurance.

SC08. Ability to perform control functions in the field of finance, banking and insurance.

SC11. Ability to maintain an appropriate level of knowledge and constantly improve one's professional training.

Expected learning outcomes (ELO):

ELO 01. Know and understand economic categories, laws, causal and functional relationships that exist between processes and phenomena at different levels of economic systems.

ELO 04. Know the mechanism of functioning of public finances, including budget and tax systems, finances of business entities, finances of households, financial markets, banking system and insurance.

ELO 05. Possess methodological tools for diagnosing the state of financial systems (public finances, including budget and tax systems, finances of business entities, finances of households, financial markets, banking system and insurance).

ELO 07. Understand the principles, methods and tools of state and market regulation of activities in the field of finance, banking and insurance.

ELO 11. Possess methodological tools for exercising control functions in the field of finance, banking and insurance.

ELO 14. Be able to think abstractly, apply analysis and synthesis to identify key characteristics of financial systems, as well as the characteristics of the behavior of their subjects.

ELO 17. Identify and plan opportunities for personal professional development.

ELO 21. Understand the requirements for activities in the specialty, determined by the need to ensure sustainable development of Ukraine, its strengthening as a democratic, social, legal state.

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	s.st.
1	2	3	4	5	6	7	8	9	10
4 semester									
Module 1. <i>The essence of insurance, insurance risks, insurance market, property insurance</i>									
Topic 1. The essence of insurance as a system of economic relations	1-2	16	4	4	30				
Topic 2. Concept and types of risks	3	13	3	3					
Topic 3. Insurance market	4-5	15	4	4					
Topic 4. Property insurance of citizens	6-7	16	4	4					
Total for module 1	60		15	15	30				
Module 2. <i>Types of insurance for individuals and legal entities</i>									
Topic 5. Business risk insurance	8-9	15	4	4	30				
Topic 6. Agricultural insurance	10-11	16	4	4					
Topic 7. Motor vehicle insurance	12-13	16	4	4					
Topic 8. Financial and credit risk insurance	14-15	13	3	3					
Total for module 2	60		15	15	30				
5 semester									
Module 3. Personal insurance									
Topic 9. Personal insurance	1-2	16	4	4	32				
Topic 10. Life insurance and pensions	3-4	16	4	4					
Topic 11. Accident insurance	5-6	16	4	4					
Topic 12. Health insurance	7-8	16	4	4					
Total for module 3	64		16	16	32				
Module 4. Other types of insurance company activities									
Topic 13. Marine insurance	9-10	13	3	3	28				
Topic 14. Aviation insurance	10-11	13	3	3					
Topic 15. Basics of reinsurance and coinsurance	12-13	15	4	4					
Topic 16. Fundamentals of financial activities of an insurer	14-15	15	4	4					
Total for module 4	56		14	14	28				
Total hours	30	240	60	60	120				

3. Topics of lectures

No.	Topic	Hours
1	The essence of insurance as a system of economic relations	4
2	Concept and types of risks	3
3	Insurance market	4
4	Property insurance of citizens	4
5	Business risk insurance	4
6	Agricultural insurance	4
7	Motor vehicle insurance	4
8	Financial and credit risk insurance	3
9	Personal insurance	4
10	Life insurance and pensions	4
11	Accident insurance	4
12	Health insurance	4
13	Marine insurance	3
14	Aviation insurance	3
15	Basics of reinsurance and coinsurance	4
16	Fundamentals of financial activities of an insurer	4
	Total	60

4. Topic of practical classes

No.	Topic	Hours
1	The essence of insurance as a system of economic relations	4
2	Specifics and features of insurance in Ukraine	
3	Concept and types of risks	3
4	Features of risk insurance	
5	Features of the activities of insurance market participants	4
6	Insurance market	
7	Insurance of citizens' property	4
8	Features of property insurance	
9	Insurance of business risks	4
10	Features of insurance of individual business risks	
11	Agricultural insurance	4
12	Features of certain types of agricultural insurance	
13	Motor insurance	4
14	Features of certain types of motor insurance	
15	Financial and credit risk insurance	3
16	Life and pension insurance	4
17	Types of life insurance	
18	Accident insurance	4
19	Types of accident insurance	
20	Health insurance	4
21	Types of health insurance	
22	Marine insurance	3
23	Features of marine insurance	
24	Aviation insurance	3
25	Features of aviation insurance	
26	Basics of reinsurance and coinsurance	4
27	Features of reinsurance and coinsurance	
28	Basics of financial activities of the insurer	4
	Total	60

5. Topics of self-study

No.	Topic	Hours
1	Features of the work of insurance companies during martial law	60
2	Current needs of Ukrainians in personal insurance products	60
	Total	120

6. Methods of assessing expected learning outcomes:

- test;
- exam;
- module tests;
- case studies;
- defense of practical works;
- oral interviews and presentations;
- independent work.

7. Teaching methods:

- verbal method (lecture, discussion, interview, etc.);
- practical method (practical classes);
- visual method (illustration method, demonstration method);
- work with educational and methodological literature (note-taking, thesis, annotation, review, writing an abstract);
- video method (remote, multimedia, web-oriented, etc.);
- discussions (situational questions, «mirror» questions, relay questions);
- business games (situational-role, problem-role, creative);
- analysis of a specific professional situation (standard, critical, extreme);
- teamwork, brainstorming method;
- independent work (task completion);
- individual research work of higher education applicants.

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
Module 1. The essence of insurance, insurance risks, insurance market, property insurance		
Practical work 1. The essence of insurance as a system of economic relations	ELO 1, 4, 5, 7, 11, 21. Including, students will know: know the history of the emergence and development of insurance; functions and principles of insurance; concept and purpose of insurance classification; stages of formation and development of the insurance market of	8
Practical work 2.		7

Specificity and features of insurance in Ukraine	Ukraine; content and basic requirements for insurance contracts; definition of insurance risk; criteria for classifying risks; features of insurance of various types of risks; risk management methods; specifics of the sale of insurance products; essence and features of property insurance; classification of property insurance; types of contracts for property insurance; features of compensation for various types of property insurance. Understand the need for insurance protection against risky circumstances and the purpose of insurance; the difference between insurance risk and insured event; features of unique and catastrophic risks; the role of intermediaries in the insurance market; features of the functioning of insurance agents and insurance brokers; features of the activities and functions of insurance associations; risks that exist in property insurance; features of the application of a franchise in property insurance; which is the basis for payments in property insurance. Distinguish between mandatory and voluntary insurance; conditions for exclusion from property insurance contracts. Be able to determine the probability of risk and assess risk quantitatively; determine the role of each element of the insurance market infrastructure in the development of insurance relationships; determine tariffs for different risks; calculate the amount of insurance payments and insurance indemnities when insuring property using different insurance liability systems; draw up a property insurance contract. Use risk management techniques in insurance.	
Practical work 3. Concept and types of risks		7
Practical work 4. Features of risk insurance		8
Practical work 5. Features of the activities of insurance market participants		12
Practical work 6. Insurance market		8
Practical work 7. Insurance of citizens' property		13
Practical work 8. Features of property insurance		7
Modular test 1.		30
Total for module 1		100
Module 2. Types of insurance for individuals and legal entities		
Practical work 9. Insurance of business risks	ELO 4, 5, 14, 17. Including. education seekers will know: know the concept of risk in entrepreneurship; the essence and main types of insurance of entrepreneurial risks, insurance of financial and credit risks, including loans and deposits; motor insurance, including insurance of passenger and cargo carriers; specifics, mechanism, objects and forms of insurance in agriculture, features of insurance of crop products and agricultural animals. Understand the conditions and specifics of insurance of civil liability of vehicle owners; features of the International Insurance System "Green Card" and insurance of civil liability of carriers; specifics of insurance of liability of legal entities, liability to the consumer for fulfillment of the terms of the contract and insurance of production risks; conditions of insurance of technical risks and insurance of a construction entrepreneur against all risks; specifics of insurance of liability of producers for the quality of manufactured products; employer's liability insurance and credit insurance. Be able to determine tariffs for OSCPV contracts; calculate the insured amount, the amount of insurance premiums and insurance payments when insuring property, credit obligations and products of legal	7
Practical work 10. Features of insurance of certain business risks		8
Practical work 11. Agricultural insurance		7
Practical work 12. Features of certain types of agricultural insurance		8
Practical work 13. Motor insurance		17
Practical work 14. Features of certain types of motor insurance		8
Practical work 15. Insurance of financial and credit risks		7
Self-study work 1.		8
Modular test 2.		30

	entities; determine the optimal conditions for drawing up an insurance contract; draw up an insurance contract for legal entities for various objects of insurance.	
Total for module 2		100
Module 3. Personal insurance		
Practical work 16. Life and pension insurance	ELO 4, 5, 14, 17. Including, students will know: know the essence and features of personal insurance; mandatory and voluntary types of personal insurance; features of determining tariffs for different types of personal insurance; features of making insurance payments for different types of personal insurance; life insurance options; conditions of accident insurance, its types and forms of implementation; general characteristics, features and forms of health insurance. Understand the classification of personal insurance; division of personal insurance into sub-sectors; risks that exist in personal insurance; basic conditions of individual and collective personal insurance; what is assistance and what tasks are performed by assistance companies; what is the basis for payments in personal insurance; for what purpose are mortality tables used in insurance; who is the recipient of the insured amount in personal insurance; what insured events are provided for in personal insurance; who and from what age can conclude a personal insurance contract; what medical services can be provided to an insured person; with which medical institutions do insurance companies conclude contracts; on what factors does the insurance amount and insurance premium depend in life insurance, pensions, accidents and voluntary health insurance. Distinguish between mandatory and voluntary personal insurance; conditions for exclusion from personal insurance contracts. Be able to determine tariffs for personal life insurance contracts; calculate the insurance amount, surrender value, amounts of insurance premiums and insurance payments in life insurance, accidents and health insurance; choose the optimal life insurance program, pensions, accidents and health insurance; draw up a contract of any type of personal insurance.	19
Practical work 17. Types of life insurance		7
Practical work 18. Accident insurance		18
Practical work 19. Types of accident insurance		7
Practical work 20. Health insurance		12
Practical work 21. Types of health insurance		7
Modular test 3.		30
Total for module 3		100
Module 4. Other types of insurance company activities		
Practical work 22. Marine insurance	ELO 4, 7, 11, 17. Including. students will know: the essence and features of marine and aviation risk insurance; hull insurance of marine and aircraft; insurance of cargo transported by sea and air transport; liability insurance of shipowners and aircraft owners; reinsurance; forms of reinsurance operations; the essence and features of coinsurance; composition and economic content of the insurer's income and expenses; features of determining the insurer's profit and taxation in insurance companies; ways of forming and requirements for insurance reserves; formation of a balanced insurance portfolio. Understand the purpose of creating the Marine	8
Practical work 23. Features of marine insurance		10
Practical work 24. Aviation insurance		8
Practical work 25. Features of aviation insurance		10
Practical work 26. Basics of reinsurance and		8

coinsurance	Insurance Bureau; rules of insurance, reinsurance and settlement of losses in marine insurance and aviation; conditions of mandatory, facultative and mixed methods of reinsurance; purpose and conditions of reinsurance of risks to non-residents; the concept of financial reliability of the insurer; conditions for ensuring the insurer's solvency; features of taxation of various types of activities of insurance companies and various objects of insurance; features and purpose of investment activities of insurers.	
Practical work 27. Features of reinsurance and coinsurance		10
Practical work 28. Basics of financial activities of an insurer		8
Self-study work 2.		8
Modular test 4.		30
Total for module 4		100
Class work	$(M1 + M2)/2 \cdot 0,7 \leq 70$	
Exam/credit	30	
Total for year	$(\text{Class work} + \text{exam}) \leq 100$	

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	Practical works submitted after the deadline without good reason are given a lower grade (minus 3 points for one work). 2 attempts are given for each module test, the best score is counted. Retaking modules is allowed with the permission of the lecturer if there are good reasons, no more than 2 times per academic year.
Academic integrity rules	Cheating during tests and exams is prohibited (including using mobile devices). Abstracts must have correct text references to the literature used.
Attendance rules	Attendance at classes is mandatory. For objective reasons (for example, illness, international internship), training can take place individually (in an online form in agreement with the dean of the faculty).

9. Teaching and learning aids:

- e-learning course of the discipline «Insurance» (on the educational portal of NUBiP of Ukraine eLearn – <https://elearn.nubip.edu.ua/course/view.php?id=5047>)
- Мамчур Р.М. Страхування: навч. посібник. Київ: «ЦП «Компринт», 2016. 172 с.
- Mamchur R. Insurance: educational book. Kyiv: «СРР «Comprint», 2017. 215 p.
- Мамчур Р.М. Страхування: робочий зошит для підготовки до практичних занять з дисципліни «Страхування» студентів освітнього рівня «Бакалавр» за спеціальністю 072 «Фінанси, банківська справа та страхування». Київ: «ЦП «Компринт», 2022. 162 с.

- Опальчук Р.М. Страхування: Методичні вказівки для підготовки до практичних занять з дисципліни «Страхування» студентів ОС «Бакалавр» за спеціальністю 072 «Фінанси, банківська справа, страхування та фондовий ринок». Київ: «ЦП «Компринт», 2023. 161 с.

- digital educational resources:

Prometheus – <https://prometheus.org.ua>;

Science and Education Online (National Academy of Sciences of Ukraine) – <https://naps.gov.ua/ua/elektronna-biblioteka/>;

Coursera – <https://www.coursera.org> (courses on risk management, insurance, finance (including «Foundations of Insurance, Insurance and Risk Management»);

Khan Academy – <https://www.khanacademy.org> (video lessons on the basics of finance and insurance);

edX – <https://www.edx.org> (courses «Risk Management in the Global Economy», «Insurance Essentials» from leading universities in the world, including MIT, Harvard).

10. Recommended sources of information

1. Про страхування: Закон України від 18.11.2021 р. № 1909-IX. URL: <https://zakon.rada.gov.ua/laws/show/1909-20>

2. Опальчук Р.М. Страховий менеджмент: навч. посібник. Київ: «ЦП «Компринт», 2023. 251 с.

3. Мамчур Р.М. Страхування: навч. посібн. Київ: «ЦП «Компринт», 2016. 172 с.

4. Mamchur R. Insurance: educ. book. Kyiv: «CPR «Comprint», 2017. 215 p.

5. Mamchur R. Insurance services: educational book. Kyiv: «CPR «Comprint», 2018. 148 p.

6. Mamchur R. Development of the Ukrainian voluntary insurance market: monography. Kyiv: «CPR «Comprint», 2021. 263 p.

7. Mamchur R., Volosovych S., Zelenitsa I., Kondratenko D., Szymła W. Transformation of insurance technologies in the context of a pandemic. *Insurance Markets and Companies* 2021. Volume 12, pp. 1-13.

8. Mamchur R., Minochkina O., Ianushevych I., Khrystenko L. Optimization of Operational and Financial Risks of Conducting Business Activities Under the Conditions of Changes and Sustainable Development. *Economic Affairs*. 2023. Vol. 68 (01s), pp. 91-98.

9. Makedon V., Trachova D., Myronchuk V., Opalchuk R., Davydenko O. (2024). The Development and Characteristics of Sustainable Finance. In: Hamdan, A. (eds) Achieving Sustainable Business Through AI, Technology Education and Computer Science. Studies in Big Data, vol 163, pp. 373-382. Springer, Cham.

10. Opalchuk R., Shepel A., Dimov I., Andrushko R., Andrushko M. (2024). Ensuring Sustainable Development of the Agricultural Sector through Financial Instruments in the Context of Climate Change. *Grassroots Journal of Natural Resources*. Vol. 7(3ukr), pp. 349-377.

11. Мамчур Р.М., Назаренко О.О. Bancassurance – як форма ефективної співпраці банків і страхових компаній. *Науковий вісник НУБіП України*. 2020. Том 11, № 2. С. 58-65.

12. Мамчур Р.М., Ткаченко Є.В. Аналіз інтеграційних процесів банківських установ та страхових компаній в Україні. *Науковий вісник НУБіП України*. 2020. Том 11, № 3. С. 69-76.
13. Мамчур Р.М. Страховий ринок України в умовах воєнного стану. *Економіка і управління бізнесом*. 2022. Том 13, № 4. С. 62-70.
14. Опальчук Р.М. Тенденції та інновації в страховій індустрії: вплив технологій, штучного інтелекту та блокчейну. *Інвестиції: практика та досвід*. 2024. № 6. С. 118-124.
15. Опальчук Р.М., Федорович І.М., & Ткаченко К.В. (2025). Особливості розвитку страхування малого та середнього бізнесу в Україні. *Актуальні питання економічних наук*, (8).
16. Опальчук Р., Чорновол А., & Поплюйко Я. (2025). Інтеграція ESG-принципів у діяльність українських страхових компаній: глобальні тренди та місцеві особливості. *Економіка та суспільство*, (72).
17. Приступа Л., Опальчук Р., та Фартушок Н. (2025). Зміна ринку туристичного страхування в Україні під час війни. *Соціальний розвиток: економічні та правові питання*, (2), 78-86.
18. Васильєва Т., Козьменко С., Козьменко О. Нові вектори розвитку страхового ринку України: монографія. Суми: «Університетська книга», 2022. 315 с.
19. Горбач Л.М., Кадебська Е.В. Страхування: підручник. Київ: Кондор-Видавництво, 2016. 544 с.
20. Долгошея Н.О. Страхування в запитаннях та відповідях: навч. посібник. Київ: ЦУЛ, 2019. 320 с.
21. Журавка О.С. Страхування: навч. посібник. Суми: Сумський державний університет, 2020. 350 с.
23. Криленко В.І., Рудь І.Ю. Страхування: навч. посібн. Миколаїв: 2019. 260 с.
24. Мельник Т.А., Сибірцев В.В. Страхування: навч. посібник. Кропивницький: ПП «Ексклюзив Систем», 2022. 307 с.
25. Пічугіна О.В. Страхування: конспект лекцій. Одеса, 2018. 67 с.
26. Прасолова С., Карцева В. Інститути міжнародного страхового ринку: навч. посібник + навч. тренінг. Київ: «Центр навчальної літератури», 2020. 568 с.
27. Сосновська О.О. Страхування: навчальний посібник. Київ: ун-т ім. Б. Грінченка, 2021. 328 с.
28. Терещенко Т.Є., Заволока Л.О., Пономарьова О.Б. Страхування (у схемах, таблицях, коментарях): навч. посібник. Дніпро: Університет митної справи та фінансів, 2020. 221 с.
29. Фисун І.В., Ярова Г.М. Страхування: навч. посібн. Київ: ЦУЛ, 2019. 240 с.
30. Шебаніна О.В. Страхування: дивовижний світ страхування: навч. посібник. Миколаїв: МНАУ, 2019. 225 с.
31. Joanne Valerius, Nenna Bayes, Cynthia Newby (2019) Medical Insurance: A Revenue Cycle Process Approach. McGraw Hill; 8th edition. 608 p.
32. Richard G. Clarke (2019) Executive Liability Insurance: Evolving Times, Evolving Exposures, Evolving Insurance. The National Alliance Research Academy. 88 p.

33. Bryan Falchuk, Caribou Honig (2020) The Future of Insurance: From Disruption to Evolution: Volume I. Independently published. 170 p.
34. Larry Goanos (2021) Professional Lines Insurance, An Oral History: The People and Companies Who Built a Niche. Wells Media Group, Incorporated. 440 p.
35. Joseph Matthews Attorney (2023) Social Security, Medicare & Government Pensions: Get the Most Out of Your Retirement and Medical Benefits. NOLO; Twenty eighth edition. 512 p.
36. Електронна бібліотека НУБіП України. URL: <https://nubip.edu.ua/node/17325>
37. Верховна Рада України. URL: <http://zakon.rada.gov.ua/>
38. Кабінет Міністрів України. URL: <http://www.kmu.gov.ua/control/>
39. Міністерство фінансів України. URL: <http://www.minfin.gov.ua>
40. Газета «Урядовий кур'єр». URL: <http://www.ukurier.gov.ua/>
41. Державна служба статистики України. URL: <http://www.ukrstat.gov.ua>
42. Національний банк України. URL: <http://www.bank.gov.ua>
43. Нормативні акти, статистичні матеріали та статті зі страхування на спеціалізованих українських страхових порталах: <http://dfp.gov.ua>, <http://forinsurer.com>, <http://www.uainsur.com>.
44. Нормативні акти України – законодавство для практиків. URL: <http://www.nau.kiev.ua>
45. Офіційний вісник України. URL: <http://www.gdo.kiev.ua>
46. Україна фінансова – інформаційно-аналітичний портал Українського агентства фінансового розвитку. URL: <http://www.ufin.com.ua>
47. Український фінансовий сервер. URL: <http://www.ufs.kiev.ua>
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