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Faculty of Transport, Management and Logistics

Air Transportation Management Department

AGREED

Dean of Faculty of Transport,
Management and Logistics

T. Mostenska
2021

APPROVED

Vice-Rector for Academic Affairs


A. Polukhin
2021

Quality Management System
COURSE TRAINING PROGRAM
on
«Aviation Insurance»

Educational Professional Program: «Air Transportation Management»

Field of study: 27 «Transport»

Speciality: 275 «Air Transport Technologies»

Specialization: 275.04 «Air Transport Technologies»

Training Form	Semester	Total (hours/credits ECTS)	Lectures	Practicals	Lab. classes	Self-Study	HW/CGP	TP/CP	Semester Grade
Full-time:	5	120/4,0	17	-	34	69	-	-	Test 5s

Index CB-7-275-1/21-3.7

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Quality Management System.
Course Training Program
on
«Aviation Insurance»

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Course Training Program on «Aviation Insurance» is developed on the basis of Educational Professional Program «Air Transportation Management», Bachelor Curriculum and Bachelor Extended Curriculum №CB-7-275-1/21, №ECB-7-275-1/21 for Speciality 275 «Air Transport Technologies», Specialization 275.04 «Air Transport Technologies» and corresponding normative documents.

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Discussed and approved by the Graduate Department for Speciality 275 «Air Transport Technologies», Specialization 275.04 «Air Transport Technologies» and Educational Professional Program «Air Transportation Management» - Air Transportation Management Department, Minutes № 12 «9» 06 2021

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INTRODUCTION

Course Training Program on «Aviation Insurance» is developed based on the "Methodical guidance for the subject course training program", approved by the order № 249/од, of 29.04.2021 and corresponding normative documents.

1. EXPLANATORY NOTES

1.1. Place, objectives, tasks of the subject.

This discipline is a component of the theoretical basis of knowledge and skills for studying the disciplines of training in the field of transportation and transport technologies.

The **objective** of teaching the discipline is to provide future professionals with specific knowledge of the methodological foundations and principles of insurance used in the aviation industry.

The **tasks** of the discipline are:

- study of national and international documents governing insurance processes in the aviation industry;
- mastering the skills of aviation risk identification and calculation of insurance benefits;
- acquaintance with the practice of insurance in international air transport.

1.2. Learning outcomes the subject makes it possible to achieve.


Knowledge will be formed:

- Take responsibility, show public consciousness, social activity and participation in the life of civil society, think analytically, critically understand the world;
- Give answers, explain, understand explanations, discuss, report in the state language at a level sufficient for professional activity;
- Investigate the components of ergonomics of transport technologies. Establish their efficiency and reliability. Be able to use modern specialized software to solve typical engineering problems in the field of automation of transport systems and processes, in particular, mathematical modeling, computer-aided design, database management, computer graphics methods;
- Introduce methods of organizing safe transport activities;
- Investigate the problems of the human factor related to transport, as well as the consequences of errors for safety and management. Identify patterns of human behavior in connection with mistakes.

1.3. Competences the subject makes it possible to acquire.

As a result of mastering the subject "Customs Operations" students must be formed the following **competencies**:

- Ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine;
- Ability to preserve and increase moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, techniques and technologies, use different types and forms of physical activity for active recreation and healthy living;
- Ability to communicate in the state language both orally and in writing;
- Ability to communicate in a foreign language;
- Ability to assess and ensure the safety of transport activities;

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- Ability to use modern information technologies, automated control systems and geographic information systems in the organization of the transportation process;
- Ability to critically analyze and solve practical problems in the field of air transport and related industries to ensure timely decisions, taking into account technical, regulatory, commercial, political, social and environmental constraints;
- Ability to use professional knowledge and practical skills of technology, organization and management of air passenger traffic to solve engineering problems in production.

1.4. Interdisciplinary connections.

This discipline is based on knowledge of such disciplines as "Aviation safety and flight safety", "Transport law", "Air passenger transport", "Freight transport", "Mixed freight transport", "Transport geography" and is the basis for the study of further disciplines, namely: "Management quality, risks and audit of airlines", "International transportation", "Organization of interaction between air transport and travel companies", "Technical and economic research transport development", "Computer-integrated technologies in transport", "Transport-logistics systems and processes".

2. COURSE TRAINING PROGRAM ON THE SUBJECT

2.1. The subject content.

The educational material of the discipline is structured on a modular principle and consists of one educational module, namely:

- training Module № 1 "Insurance in the aviation industry", which is a logically complete, relatively independent, integral part of the discipline, the mastering of which involves a modular test and analysis of the results of its implementation.

2.2. Modular structuring and integrated requirements for each module.

Module №1 "**Insurance in the aviation industry**"

Integrated requirements to Module №1:

know:


- methodological bases and principles of insurance used in the aviation industry;
- identify insurance cases on air transport, develop a system of measures to prevent and eliminate them

Topic 1. State regulation of aviation insurance. International regulation of aviation insurance.

Legal support of aviation insurance. Norms of regulation of insurance activity. Law of Ukraine "On Insurance". Resolution of the Cabinet of Ministers of Ukraine "On Approval of the Procedure and Rules for Compulsory Aviation Insurance of Civil Aviation". Problems and directions of improvement of the state policy in the field of insurance. Aviation insurance contract.

International documents covering aviation insurance. Principles of international compensation for losses due to adverse situations that occur during air transportation.

Topic 2. Aviation operator's aviation risk insurance. Property insurance of airlines.

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Compulsory types of air transport insurance: crew insurance; aircraft operator's liability insurance; aircraft insurance. The work of the aircraft operator and the insurance company on the insured event. Package of documents of the air operator on performance of the insurance contract.

The concept, content and basic requirements for insurance contracts. Rights and obligations of the subjects of the insurance obligation. Insurance contract. The procedure for preparing and concluding an insurance contract. Dispute resolution and termination of the contract. Legal consequences of early termination of the insurance contract. Necessity and forms of insurance protection. Property insurance. Technical risk insurance.

Topic 3. Insurance of air transportation of passengers and cargo.

Facilities and risks of personal insurance of crew members and aviation personnel. Features of insurance of employees of the customer of aviation works, persons connected with maintenance of technological process during performance of aviation works and passengers who are transported at his request without purchase of tickets. Objects and risks of liability insurance of the air carrier and the performer of air works in respect of damages caused to passengers, luggage, mail, cargo. Insurance cases of air transportation.

Topic 4. Insurance of owners' liabilities and operators of airports.

Types of risks that are present in the airport and that are subject to insurance. Airport area of responsibility. Insured airport activities. Volumes of insurance coverage. Provisions of the standard policy. Establishment of limits of liability. Conclusion of insurance contracts.

Topic 5. Aviation risks and methods of their identification. Principles of risk management in air traffic management.

World and domestic statistics of aviation accidents. The science of risk. The concept of aviation risk. Identification of aviation risks using Ishikawa diagram and causal diagrams. Risk tolerance and risk appetite. Risk field. Field (portfolio) management of aviation risks. Risks in the CASCO air contract.

World standards for risk management. Risk assessment methods. The concept of risk management. Three approaches to the concept of risk management. Integration of risk management into the airline management system. Formation of indicators for assessing the effectiveness of risk management of an enterprise operating in the field of commercial air transportation. Aviation Insurance Bureau.

Topic 6. Actuarial calculations in aviation insurance.

Actuaries. Methodology of actuarial calculations. Determining the probability of the insured event. Actuarial calculations as a system of mathematical and statistical laws that regulate the relationship between the insurer and policyholders. Basic tasks and classification of actuarial calculations. Tariff rate structure.


Accumulated quota of the insurer in aviation insurance. Aviation insurance contract. Indicators used in risk assessment and actuarial calculations in aviation.

Topic 7. Markets of insurance and reinsurance of risks in the aviation industry.

Characteristics of aviation insurance markets. The main indicators of the dynamics of aviation and reinsurance markets. Domestic and international aviation insurance markets. Strategy for placing the operator's risk on the insurance market. Risk placement strategies.

Topic 8. Insurance of the interests of participants in lease and financial leasing agreements of aircraft.

Leasing as a way to renew the fleet of aircraft. Risks of leasing companies. Legal issues of leasing insurance. Fundamental terms of lease and leasing agreements. Insurance risks in leasing

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agreements. Protection of property interests of the parties to the lease agreement in the insurance contract. Calculations of insurance payments in leasing operations.

2.3. Training schedule of the subject.

№	Theme (thematic section)	Total, hours			
		Total	Lectures	Practical's	Self-study
1	2	3	4	5	6
Module №1 "Insurance in the aviation industry"					
		5 th semester			
1.1	State regulation of aviation insurance. International regulation of aviation insurance	14	2	2 2	8
1.2	Aviation operator's aviation risk insurance. Property insurance of airlines	14	2	2 2	8
1.3	Insurance of air transportation of passengers and cargo	14	2	2 2	8
1.4	Insurance of owners' liabilities and operators of airports	14	2	2 2	8
1.5	Aviation risks and methods of their identification. Principles of risk management in air traffic management	13	2	2 2	7
1.6	Actuarial calculations in aviation insurance	13	2	2 2	7
1.7	Markets of insurance and reinsurance of risks in the aviation industry	13	2	2 2	7
1.8	Insurance of the interests of participants in lease and financial leasing agreements of aircraft	15	2 1	2 2	8
1.9	Module Test №1	10	-	2	8
1.10	Module test (external study)	-	-	-	-
1.11	Test (home) work (external study)	-	-	-	-
Total by the module №1		120	17	34	69
Total by the subject		120	17	34	69

3. BASIC CONCEPTS OF GUIDANCE ON THE SUBJECT


3.1. Teaching methods

The following teaching methods of subject guidance are

- explanatory and illustrative method;
- method of problem presentation;
- reproductive method;
- research method.

The implementation of these methods are carried out during lectures, demonstrations, self-study, work with the educational material, analysis of transport technologies issues.

3.2. List of references (basic and additional)

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Basic literature

- 3.2.1. Фісун І., Ярова Г. Страхування: підручник. - К.: Центр навчальної літератури, 2019. – 232 с.
- 3.2.2. Страхування в Україні / В.Г. Дрозд – К. Центр навчальної літератури., 2021. – 420 с.
- 3.2.3. Онисько С. М. Страхування: практикум для студентів вищих навчальних закладів освіти : навч. посіб. / С. М. Онисько. – К. : Ліра-К, 2015. – 425 с.
- 3.2.4. Горбач Л.М. Страхування : підручник / Л.М. Горбач, Е.В. Калєбська. – К. : Кондор, 2016. – 544 с.
- 3.2.5. Копич І.М. Актуарні розрахунки: підручник / І.М.Копич, В.М. Сороківський, С.В.Черкасова. – Львів. Новий світ – 2000”, – 2019 – 214 с.

Additional Literature

- 3.2.6. Air Code of Ukraine.
- 3.2.7. Law of Ukraine "On Insurance".
- 3.2.8. Resolution of the Cabinet of Ministers of Ukraine “On approval of the Procedure and rules for the implementation of compulsory aviation insurance of civil aviation” dated 06.09.2017 № 676 (with changes).
- 3.2.9. Directive (EU) № 285/2010 of 06.04.2010 of the European Parliament and of the Council on insurance requirements for air carriers and aircraft operators.

3.3. Internet Information resource

- 3.3.1. Official site of the State Aviation Service of Ukraine. URL: <https://avia.gov.ua/>
- 3.3.2. Official site of the International Civil Aviation Organization URL: <https://www.icao.int>
- 3.3.3. Official site of the European Agency of Safety Aviation. URL: <https://www.easa.europa.eu>


4. RATING SYSTEM OF KNOWLEDGE AND SKILLS ASSESSMENT

4.1. Assessment of certain kinds of student academic work is carried out in accordance with table 4.1.

Table 4.1

Kind of Academic Work	Maximum Grade Values
1 semester	
Module № 1 «Aviation Insurance»	
carrying out practicals and theoretical material (106 x 8)	80 (total)
<i>For admission to complete module test №1, a student must receive not less than</i>	<i>48 points</i>
Module test №1	20
Total by the module №1	100
Total by the subject	100

The credit rating is determined (in points and in a National Scale) based on the results of all types of academic work during the semester.

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4.2. Completed types of educational work are credited to the student, if he received a positive rating for them.

4.3. The sum of rating assessments received by the student for certain types of completed academic work is the current modular rating assessment, which is recorded in the module control.


4.4. The final modular rating obtained by the student based on the results of the course defense and defense in points, on the national scale and ECTS scale is entered in the module control, as well as in the study card, individual student curriculum and Diploma Supplement, for example, as follows: **92 / Excellent / A, 87 / Good / B, 79 / Good / C, 68 / Sat./D, 65 / Sat./E, etc.**

4.5. The final semester rating is converted into a grade on the national scale and the ECTS scale.

4.6. The final semester rating in points, on the national scale and the ECTS scale is entered in the test report, study card and individual curriculum of the student (record book), for example, as follows: **92 / Excellent / A, 87 / Good / B, 79 / Good / C, 68 / Sat./D, 65 / Sat./E, etc.**

4.7. The Total Grade for the subject is equal to the average grade from Total Semester Grades with its further transformation into national scale and ECTS system.

The Total Grade is recorded to the Diploma Appendix

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(Ф 03.02 – 01)

АРКУШ ПОШИРЕННЯ ДОКУМЕНТА

№ прим.	Куди передано (підрозділ)	Дата видачі	П.І.Б. отримувача	Підпис отримувача	Примітки

(Ф 03.02 – 02)

АРКУШ ОЗНАЙОМЛЕННЯ З ДОКУМЕНТОМ

№ пор.	Прізвище, ім'я, по батькові	Підпис ознайомленої особи	Дата ознайо- млення	Примітки

(Ф 03.02 – 04)

АРКУШ РЕЄСТРАЦІЇ РЕВІЗІЇ

№ пор.	Прізвище, ім'я, по батькові	Дата ревізії	Підпис	Висновок щодо адекватності

(Ф 03.02 – 03)

АРКУШ ОБЛІКУ ЗМІН

№ зміни	№ листа (сторінки)				Підпис особи, яка внесла зміну	Дата внесення зміни	Дата введен- ня зміни
	Зміненого	Заміненого	Нового	Анульо- ваного			

(Ф 03.02 – 32)

УЗГОДЖЕННЯ ЗМІН

	Підпис	Ініціали, прізвище	Посада	Дата
Розробник				
Узгоджено				
Узгоджено				
Узгоджено				