

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE**  
**NATIONAL AVIATION UNIVERSITY**  
 Faculty of Transport, Management and Logistics  
 Management of Foreign Economic Activity of Enterprises Department

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 «\_\_» \_\_\_\_\_ 2021

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 «\_\_» \_\_\_\_\_ 2021



Quality Management System

**COURSE TRAINING PROGRAM**  
 on  
**"Aviation Policy"**


Educational and professional program: «Management of Airlines and Airports»

Field of study 07 «Management and Administration»  
 Specialty: 07 «Management»

Form of study	Semester	Total (hours / ECTS credits)	Lectures	Practicals	Self-study	HW/CGP/C	TP/CPr	Form of semester control
Full-time	4	120/4,0	34	17	69	-	-	Graded Test 3 s.

Index: CB -7-073-5 / 21-3.4.

**QMS NAU CTP 19.06-01-2021**

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The Course Training Program on "Aviation Policy" is developed on the basis of the Educational and Professional program "Management of Airlines and Airports", Bachelor Curriculum № CB-7-073-5/21, Bachelor Extended Curriculum № ECM -7-073-5/21 for the Specialty 073 "Management" and corresponding normative documents.

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The Course Training Program was discussed and approved by the Graduate Department for Educational and Professional Program "Management of Airlines and Airports", Specialty 073 "Management" – Management of Foreign Economic Activity of Enterprises Department, Minutes № \_\_\_\_\_ of " \_\_\_\_\_ " \_\_\_\_\_ 2021.

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Vice Rector on International  
Collaboration and Education

\_\_\_\_\_ Zarubinska I.  
« \_\_\_\_ » \_\_\_\_\_ 2021.

Document level – 3b


The Planned term between revisions – 1 year

**Master copy**

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## INTRODUCTION

The Course Training Program (CTP) on "Aviation Policy" is developed on the basis of "Guidelines for developing and designing a working program of full-time and part-time study", approved by the order of the rector № 249/од. of 29.04.2021 and corresponding regulatory documents.

### 1. EXPLANATORY NOTE

#### 1.1. Place, purpose, tasks of the subject

The subject "Aviation Policy" is a theoretical and applied basis of the set of knowledge and skills that form the management profile of a specialist in the field of airline and airport management.

**The purpose of** teaching the discipline is to form future managers of airlines and airports thinking and a system of special knowledge on the mechanism of aviation policy, which defines a wide range of issues of airlines and airports, such as airspace management, security, infrastructure, investment, commercialization, routes.

**The tasks of** studying the subject are:

- acquaintance with the basics of formation of aviation policy of the country;
- elucidation of determinants of regulation of activity in the field of air transport;
- acquaintance with the components of state regulation of activities in the field of aviation and the use of airspace of Ukraine;
- acquaintance with organizational and legal bases of use of airspace of Ukraine;
- clarification of organizational and legal principles of international air transportation;
- acquaintance with the ICAO policy regarding airport charges and fees for air navigation services;
- study of world experience in using approaches and models of aviation infrastructure development;
- acquaintance with the aviation transport strategy of Ukraine for the period up to 2030.

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


As a result of studying the discipline, the student must achieve the following **learning outcomes**:

- demonstrate knowledge of the main provisions of ICAO policy regarding airport fees and fees for air navigation services,
- distinguish between determinants of regulation of activities in the field of air transport;
- know and use in practice the organizational and legal principles of international air transportation;
- know and use in practice the components of state regulation of activities in the field of aviation and the use of airspace of Ukraine;
- understand the implications and limitations of using aviation infrastructure development models;
- know and understand the provisions of the Aviation Transport Strategy of Ukraine for the period up to 2030 and understand the peculiarities of using the tools of its implementation;
- know the features of the financial and economic components of the implementation of aviation policy;
- understand approaches to evaluating the effectiveness of the country's aviation policy.

#### 1.3. Competences the subject makes it possible to acquire.

As a result of studying the discipline, the student must acquire the following **competencies**:

- definition of functional areas of airlines, airports and their interaction;

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- ability to identify and describe the characteristics of the organization;
- ability to analyze the results of the organization, compare them with the factors of external and internal environment;
- ability to determine the prospects for the development of the organization;
- ability to determine the functional areas of the organization and the links between them;
- ability to analyze and structure the problems of the organization, to form sound decisions.
- ability to solve a wide range of problems and tasks in the field of airline management by understanding their fundamentals and using both theoretical and practical methods.
- the ability to search from various information sources, use this information to make decisions and develop alternatives based on the use of information systems and computer technology.

#### **1.4. Interdisciplinary connections.**

The discipline "Aviation Policy" is the basis for the study of such disciplines as: "EU Transport Policy", "Business Process Management of Airlines", "Management of Airlines and Airports".

## **2. COURSE TRAINING PROGRAM ON THE SUBJECT**

### **2.1. The subject content**

The teaching material of the discipline is structured on a modular basis and consists of one training **module №1 "Aviation Policy"**, which is a logically complete, independent, integral part of the curriculum, the assimilation of which involves a modular test and analysis of its results.

### **2.2. Modular structuring and integrated requirements for each module.**

#### **Module № 1 "Aviation Policy"**

**Integrated requirements of module № 1:** demonstrate knowledge of the main provisions of ICAO policy regarding airport charges and charges for air navigation services; distinguish the determinants of regulation of activities in the field of air transport; know and use in practice the organizational and legal principles of international air transportation; know and use in practice the components of state regulation of activities in the field of aviation and the use of airspace of Ukraine; understand the implications and limitations of using aviation infrastructure development models; know and understand the provisions of the Aviation Transport Strategy of Ukraine for the period up to 2030 and understand the peculiarities of using the tools of its implementation; know the features of the financial and economic components of the implementation of aviation policy; understand approaches to evaluating the effectiveness of the country's aviation policy.


#### **Module 1. "Aviation policy"**

##### **Topic 1. Theoretical prerequisites for the aviation policy' formation.**

Competitive and non-competitive sectors of the aviation market. Participants in the country's air transport market, forming an industry competitive environment. Participants in the competitive sector of the air transport market. Categories of consumers of air transport services. Participants in the non-competitive sector of the air transport market. Regulators of the competitive sector of the air transport market and management models.

##### **Topic 2. Institutional determinants of activity and development of air transport enterprises.**

The activities of institutions of global, international, regional and national levels, which form, determine the requirements and standards for regulating the activities of air transport enterprises. United Nations, World Trade Organization, International Monetary Fund, International Organization for Standardization, Organization for Economic Co-operation and Development, European

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Organization for the Safety of Air Navigation (EUROCONTROL), European Civil Aviation Conference (ECAC), European Airport Association (ACI Europe). International organizations and agreements on the regulation of aviation activities. International Civil Aviation Organization (ICAO), International Air Transport Association (IATA), International Aviation Telecommunication Society (SITA), International Carriers Association (IACA), Air Transport Institute (ITA), International Airport Council (ACI), Aviation transport (ATAG). The government's influence on the legal and economic regulation of the aviation industry.

### **Topic 3. International Civil Aviation Organization (ICAO).**

Establishment of the International Civil Aviation Organization. Goals and objectives of ICAO. Provisions of the Convention on International Civil Aviation. ICAO units. Development of drafts of new documents on international air law. Development, improvement and implementation of standards and recommendations used in international civil aviation. Research of international passenger and freight traffic and development of recommendations on rates and charges for the use of airports and air navigation facilities, as well as the procedure for setting tariffs applied on international routes. Development of issues of simplification of formalities for international air transportation. Providing technical assistance to developing countries in establishing their own domestic and international air transportation systems.

### **Topic 4. ICAO policy on airport charges and charges for air navigation services.**

Organizational and managerial issues of regulation. Economic supervision. Economic indicators and reporting requirements. Planning in the field of airport and air navigation services. Cost basis of airport fees. Airport charge systems. Passenger service fees. Aviation security fees. ICAO policy on air navigation service charges.

### **Topic 5. International Air Transport Association.**


Mission and tasks of International Air Transport Association (IATA). Aviation and environmental policy. The role of IATA in ensuring the commercial operation of airlines. IATA activities on airline tariff policy. Slots in airports around the world. IATA educational courses and trainings. Guarantees and mutual settlements between IATA members.

### **Topic 6. State regulation of activities in the field of aviation and using of airspace of Ukraine**

Subject and objects of state regulation in the field of civil aviation and the use of airspace of Ukraine. Directions of state regulation of activities in the field of civil aviation. Directions of state regulation of the use of airspace of Ukraine.

Concepts and components of the organization of the use of the airspace of Ukraine. State priorities in the use of Ukrainian airspace. The structure of the airspace of Ukraine. Classification of airspace of Ukraine. Air traffic service and air traffic control. Organization of the use of Ukraine's international airspace. Permitting procedure for the use of Ukrainian airspace. Prohibitions and restrictions on the use of Ukrainian airspace.

Regulatory and legal regulation in the field of civil aviation of Ukraine. General licensing conditions for air carriers. Provision of air carrier. Conditions of performance of air transportations by the Ukrainian air carrier. Conditions of realization of air transportations by the foreign air carrier. Procedure for granting air carriers the right to operate airlines for regular international traffic, charter air transportation and air transportation in other states. Duties and responsibilities of the air carrier. Airline rules. Protection of the rights of consumers of air transportation services. The passenger's right to compensation in case of refusal of transportation, cancellation or long delay of flights. Compensation to passengers in case of flight cancellation, flight delay and for change of service class.

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### **Topic 7. Liberalization and deregulation of the air transportation market.**

Chronology of international agreements on air transport. Bilateral and multilateral air service agreements. Open sky in Europe. Open sky in Asia. Global airline alliances. Common Aviation Area Agreements. Deregulation of air transportation markets in different countries and regions of the world. Liberalization of the airspace of Ukraine.

Advantages, disadvantages, opportunities and challenges of liberalization and deregulation of the air transportation market. Socio-economic consequences and approaches to evaluation.

### **Topic 8. Development of aviation infrastructure: approaches and models (world experience)**

Fundamentals of aviation security. Fundamentals of security economics. Security policy and regulation. Aviation infrastructure capacity requirements. Alternative forms and models of ownership and operation of airports. State (municipal) ownership with the involvement of the private sector. Private ownership or management. Corporatization of airports. Service agreements. Corporatization with the issuance of opportunity cost or alternative financing. Non-profit organization (public or private). Public-private partnership models. Advantages, disadvantages and risks of alternative forms and methods.

### **9. Aviation transport strategy of Ukraine for the period up to 2030**

Main provisions Transport Strategy of Ukraine for the period up to 2030. Focus of the Strategy on a comprehensive solution to existing problems in the transport sector. Priorities for the development of air transport set by the Strategy, in particular in the context of the implementation of the European integration course. Features of the transport system of Ukraine. Use of transport potential of Ukraine. Ensuring the development of air transport infrastructure in accordance with EU standards.

### **Topic 10. Financial and economic aspects of the implementation of aviation policy**

Financing in the development of aviation infrastructure. Attracting private investment. Public-private partnership. International aircraft leasing. Financial and operational leasing of aircraft. Methodical support for the calculation of lease payments. State regulation of leasing operations in Ukraine.

### **2.3. Training schedule of the subject**

№	Topic (thematic section)	Total, hours			
		Total	Lectures	Practicals	Self-study
1	2	3	4	5	6
<b>4 semester</b>					
<b>Module № 1 "Aviation Policy"</b>					
1.1.	Theoretical prerequisites for the aviation policy' formation	11	2	2	7
1.2.	Institutional determinants of activity and development of air transport enterprises..	8	2	-	6
1.3.	International Civil Aviation Organization (ICAO).	13	2 2	2	7
1.4	ICAO policy on airport charges and charges for air navigation services	11	2	2	7
1.5.	International Air Transport Association.	8	2	-	6



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№	Topic (thematic section)	Total, hours			
		Total	Lectures	Practicals	Self-study
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1.6	State regulation of activities in the field of aviation and using of airspace of Ukraine	17	2 2 2	2 2	7
1.7	Liberalization and deregulation of the air transportation market	13	2 2	2	7
1.8	Development of aviation infrastructure: approaches and models (world experience)	13	2 2	2	7
1.9	Aviation transport strategy of Ukraine for the period up to 2030	10	2 2	-	6
1.10	Financial and economic aspects of the implementation of aviation policy	13	2 2	2	7
1.9	Module test № 1	3	-	1	2
<b>Total for the module № 1</b>		<b>120</b>	<b>34</b>	<b>17</b>	<b>69</b>
<b>Total for 4 semester</b>		<b>120</b>	<b>34</b>	<b>17</b>	<b>69</b>
<b>Total for the subject</b>		<b>120</b>	<b>34</b>	<b>17</b>	<b>69</b>

### 3. BASIC CONCEPTS OF GUIDANCE ON THE SUBJECT

#### 3.1. Teaching methods

Methods of the discipline "Aviation Policy" are ways of joint activities and communication between teacher and students, providing positive motivation for learning, mastering the system of professional knowledge, skills, formation of scientific worldview, development of cognitive forces, culture of mental work of future professionals in specialty 073 "Management".

Depending on the source of knowledge, during training sessions, both practical and lecture, the following teaching methods are used: verbal (explanation, conversation, discussion, dialogue), visual (demonstration, illustration, case, presentation), practical (problem solving, business games, brainstorming).

By the nature of cognitive activity in the study of the discipline "Aviation Policy " are used: explanatory and visual problem statement; partial search and research methods.

#### 3.2. List of references


##### Basic literature

3.2.1. United Nations Industrial Development Organization, 2020. Competitive Industrial Performance Report 2020. Vienna, Austria. [Електронний ресурс]. Режим доступу: <https://www.unido.org/news/unidos-competitive-industrialperformance-index-2020-country-profiles-published>

3.2.2. Брусакова О. В. 2020 Галузь авіаційного транспорту як об'єкт державного регулювання. Право і безпека – Право и безопасность – Law and Safety. 2020. № 1(76). С. 46-52.

3.2.3. Ovsak O.P. Development and condition of air transport in the transport sector of Ukraine. Economics, management and administration in the coordinates of sustainable development: Scientific monograph. Riga, Latvia: Baltija Publishing, 2021. 716 p. ISBN: 978-9934-26-157-2. P.20-53. Chapter 2. Development and condition of air transport in the transport sector of Ukraine. P.20-54. DOI: <https://doi.org/10.30525/978-9934-26-157-2-2>.



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### Additional literature

3.2.4. Nienaber M. Germany, France agree industrial policy plan for Europe. Reuters. 19 Feb. 2019. [Електронний ресурс]. Режим доступу: <https://www.reuters.com/article/us-germany-france-industrial-policy/germany-france-agree-on-joint-manifesto-for-industrial-policy-in-europe-idUSKCN1Q81HO?il=0>

3.2.5. Gurina G., Podrieza S. Globalization challenges of strategic management of the export potential of aviation complex enterprises. Electronic scientifically and practical journal "Intellectualization of logistics and Supply Chain Management" №19 (2023), p.19-23. June 2023. Kyiv

3.2.6. Ovsak O.P. Sadlovska I.P. Liskovych N.Yu. Trends in development of the air transportation market of Ukraine and influencing factors. Економіка, фінанси, право. №11/1. 2021. С.31-36. Doi: <https://doi.org/10.37634/efp.2021.11.6>

3.2.7. Овсак О.П. Садловська І.П. Організаційні та правові аспекти Угоди між Україною, Європейським Союзом та його державами – членами «Про спільний авіаційний простір». «Причорноморські економічні студії». – ПУ «Причорноморський науково-дослідний інститут економіки та інновацій». випуск (74).2022.С. 65-70. DOI: <https://doi.org/10.32843/bses.74-10>

### 3.3. Internet information resources

3.3.1. Повітряний кодекс України [Електронний ресурс] – Режим доступу: <http://zakon2.rada.gov.ua/laws/show/3393-17/page>

3.3.2. Авіаційні правила України [Електронний ресурс] – Режим доступу: <http://www.avia.gov.ua/documents/Lotna-pridatn/aviation-rules-ukraine/24333.html>

3.3.3. The importance of air transport to Ukraine. URL: <https://www.iata.org/en/iata-repository/publications/economic-reports/ukraine--value-of-aviation/>

3.3.4. Aviation Benefits Report 2020. URL: <https://aviationbenefits.org/downloads/aviation-benefits-beyond-borders-2020/>

3.3.5. Liberalization of Air Transport Services and Passenger Traffic. URL: [https://www.wto.org/english/res\\_e/reser\\_e/ersd200806\\_e.pdf](https://www.wto.org/english/res_e/reser_e/ersd200806_e.pdf)

3.3.6. Авіаційна транспортна стратегія України на період до 2030 року. [Електронний ресурс]. Режим доступу: [https://mtu.gov.ua/files/Dok\\_PROJEKT/ua](https://mtu.gov.ua/files/Dok_PROJEKT/ua).


3.3.7. Air transport liberalization and the economic development of the countries - ICAO Assembly, 39th session [online] [accessed 2020-04-23]. Available from: [https://www.icao.int/Meetings/a39/Documents/WP/wp\\_189\\_en.pdf](https://www.icao.int/Meetings/a39/Documents/WP/wp_189_en.pdf)

3.3.8. ICAO. Сайт Міжнародної організації цивільної авіації. Режим доступу - <http://www.icao.int>.

3.3.11. IATA. Офіційний сайт Міжнародної асоціації повітряного транспорту: Режим доступу - <http://www.iata.org/>

3.3.12. IATA 2017. Globalisation and the airline industry. Ownership and control rules: a real constraint on how airline models evolve. Режим доступу - <https://www.iata.org/contentassets/8f1ea137dd3448bb9b1cc1b62d5a13b/capa-daily-news-2.pdf>

3.3.13. The National Aviation Policy Second Progress Report February 2019. URL: <https://www.gov.ie/en/publication/4de76f-national-aviation-policy/>

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#### 4. RATING SYSTEM OF KNOWLEDGE AND SKILLS ASSESSMENT

4.1. Grading of different kinds of academic activities performed by a student and obtained knowledge and skills are realized in values in line with Table 4.1.

Table 4.1

Kind of Academic Work	Maximum Grade Values
	Module № 1
	4 semester
Carrying out test tasks on practicals	10 points $\times$ 5 = 50
Surveys, solving situational problems on practicals	11 points $\times$ 2 = 22
For admission to complete module test №1, a student must receive not less than	47
Carrying out Module Test №1	28
<b>Total by the Module №1</b>	<b>100</b>
<b>Total by the subject</b>	<b>100</b>

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

4.2. The completed curricular activity is accounted enrolled student if the student received for them a positive rating.

4.3. The sum of grades received by the student for certain types of completed educational work is the Current Module Grade, which is entered into the Module Register.

4.4. The Total Semester Grade is entered into the Examination Register, educational cards and into a student's record book in values, National Scale grades, and ECTS Scale grades, for example: *92/Excellent/A, 87/Good/B, 79/Good/C, 68/Sat./D, 65/Sat./E*, etc.

4.5. The Total Grade is equaled the Total Semester Grade. The Total Semester Grade is entered into the Diploma Supplement.



(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 ознайомлення	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 введення зміни
	Зміненого	Заміненого	Нового	Анульованого			

(Ф 03.02 – 32)

### УЗГОДЖЕННЯ ЗМІН

	Підпис	Ініціали, прізвище	Посада	Дата
Розробник				
Узгоджено				
Узгоджено				
Узгоджено				