

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
NATIONAL AVIATION UNIVERSITY
Faculty of Transport, Management and Logistics
Air Transportation Management Department

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«06» 09 2023

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«06» 09 2023



Quality Management System

COURSE TRAINING PROGRAM
on
«Air Transport Policy and Planning»

Educational and 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	Laboratory Classes	Self-Study	HW/CGP	TP/CPr	Form of semester control
Full-time:	1	120/4,0	17	17	86	-	-	Graded Test 1s

Index: CM-7-275-1/23-3.2

QMS NAU CTP 19.01-01-2023



Course Training Program on «Air Transport Policy and Planning» is developed on the Educational and Professional Program «Air Transportation Management» and Master Curriculum and Extended Curriculum CM-7-275-1/23, ECM-7-275-1/23 for Speciality 275 «Air Transport Technologies», Specialization 275.04 «Air Transport Technologies» and corresponding normative documents.

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« » 2023

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INTRODUCTION

Course Training Program on «Air Transport Policy and Planning» is developed on the basis of the "Methodical guidance for the subject course training program of full-time and part-time forms of education", approved by the order №249/po3 dated 29.04.2021 and corresponding normative documents..

1. EXPLANATORY NOTES

1.1. Place, aim, objectives of the subject.

This subject is a component of theoretical basis of knowledge and skills for study technological subjects for training of specialists in the field of transportation management.

Subject **aim** is to form students' research skills in the theory and practice of air transport policy formation at international and national levels, planning development of its individual components, as well as legal and economic problems of aviation system.

Objectives of subject are:

- study of air transport policy and planning content and development;
- definition of air transport policy and planning features.

1.2. Results of mastering the training course.

– Search for the necessary information in the scientific and technical literature, databases, other sources, analyze and objectively evaluate information in the field of transport systems and technologies and related cross-sectoral issues;

– Freely discuss in state and foreign languages issues of professional activity, projects and research in the field of transport systems and technologies orally and in writing;

– Make effective decisions in the field of transport systems and technologies, taking into account technical, social, economic and legal aspects, generate and compare alternatives, assess the necessary resources and constraints, analyze risks;

– Ensure the safety of people and the environment during professional activities and projects in the field of transport systems and technologies;

– Identify the scientific nature of problems in the professional sphere, plan and carry out relevant scientific and applied research;


– Present the results of research activities, prepare scientific publications, participate in scientific discussions at scientific conferences, symposia and carry out pedagogical activities in educational institutions.

1.3. Competencies of mastering the training course.

- Ability to work in an international context;
- Ability to search, process and analyze information from various sources;
- Ability to develop and manage projects;
- Ability to conduct research at the appropriate level;
- Ability to study and manage the operation of transport systems and technologies;
- Ability to use knowledge of the regulatory framework that determines functioning of air transport industry, laws and principles of operation of complex systems in combination with necessary mathematical tools to describe functioning and development of aviation transport technologies.

1.4. Interdisciplinary connections.

This training course is based on knowledge of such subjects as "Methodology of Applied Research in Field of Transport Technologies (by transport modes)", "Project Management in Transport Industry", "Management in Integrated Transport Systems", "Supply Chains and Logistics Centers Management" and is the basis to study such subjects as: "Mathematical Methods of Modelling and Optimization of System and Processes", "Scientific and Research Training in Field of Air Transportation Management".

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2. ACADEMIC CURRICULUM OF THE SUBJECT

2.1. Content of the subject

Educational material of the subject is structured modularly and consists of one training module:

– training **module №1 «Methodological aspects of air transport policy and planning»**, which is logically completed, relatively independent holistic part of the subject, learning of which provides module test and analyses of its performance.

2.2. Modular structuring and integrated requirements for each module

Module №1 «Methodological aspects of air transport policy and planning»

Integrated requirements of Module №1:

As a result of mastering the training module №1 « Methodological aspects of air transport policy and planning » the student must:

- **know** the content and development of air transport policy and planning;
- **be able** to determine the features of air transport policy and planning.

Topic 1. Objectives and main principles of air transport policy and planning. Objectives of air transport policy and planning. Air transport policy and planning documents. General principles of air transport policy and planning. General terms of air transport policy and planning.

Topic 2. Planning of airline capacity. Model clauses, criteria and guidelines for the Predetermination method of capacity regulation, model clause for Bermuda I type method and Free-determination method.

Topic 3. Bilateral tariff clauses. Models of bilateral tariff clauses. Definition of the term “tariff”. Factors in determining tariffs. Mechanisms for developing tariffs. Approval of tariffs. Duration of established tariffs. Enforcement of tariffs.


Topic 4. Air transport policy relative to airline commercial activities. Four regulatory arrangements on airline commercial activities in the operation of international air services: ground handling, currency conversion and remittance of earnings, employment of non-national personnel, and sale and marketing of air service products.

Topic 5. Air transport policy in the area of national air transport regulation. Process of national regulation: the legislative component, the licensing component, the ad hoc authorization component. Structure of national regulation: the organizational component, the legal component.

Topic 6. Air transport policy in the area of bilateral air transport regulation. Process of bilateral regulation: initiation of and preparation for a formal bilateral consultation, consultations and negotiations: types of meetings and documents. Structure of bilateral regulation: basic document types, typical provisions of bilateral air transport (services) agreements, types of bilateral agreements on subjects closely related to air transport.

Topic 7. Policy relative to basic market access. Route rights. Operational rights. Traffic rights. Market access as affected by the so-called “Sixth Freedom”.

Topic 8. Policy relative to non-scheduled air services. Airport-related policy. Characteristics of non-scheduled air services. Kinds of international non-scheduled air services. Regulation of non-scheduled air services. Ground handling. Slot allocation. Privatization of airports.

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2.3. Structure of the subject.

№	Theme	Academic hours			
		Total	Lectures	Laboratory Classes	Self-study
1	2	3	4	5	6
1 semester					
Module №1 «Methodological aspects of air transport policy and planning»					
1.1	Objectives and main principles of air transport policy and planning	13	2	2	9
1.2	Planning of airline capacity	14	2	2	10
1.3	Bilateral tariff clauses	13	2	2	9
1.4	Air transport policy relative to airline commercial activities	14	2	2	10
1.5	Air transport policy in the area of national air transport regulation	13	2	2	9
1.6	Air transport policy in the area of bilateral air transport regulation	14	2	2	10
1.7	Policy relative to basic market access	13	2	2	9
1.8	Policy relative to non-scheduled air services. Airport-related policy	15	2 1	2	10
1.9	Module test №1	11	-	1	10
Total by the module №1		120	17	17	86
Total by the subject		120	17	17	86

3. BASIC CONCEPTS OF GUIDANCE ON THE SUBJECT

3.1. Teaching methods

The following teaching methods in subject guidance are:

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

The implementation of these methods is carried out during lectures, demonstrations, self-study, work with the educational material, analysis and solution of problems.

3.2. List of references

Basic literature

3.2.1. Manual on the Regulation of International Air Transport (Doc 9626), ICAO

3.2.2. Policy and Guidance Material on the Economic Regulation of International Air Transport (Doc 9587), ICAO

3.2.3. Manual on Air Traffic Forecasting (Doc 8991), ICAO

3.2.4. Типові угоди ICAO про повітряні сполучення, видання ICAO.

Additional literature

3.2.5. Планування діяльності підприємства. Практикум [Текст]: навч. посіб. / [Андреюк Н. В., Скопенко Н. С., Пашнюк Л. О.]; Київ. нац. ун-т ім. Тараса Шевченка. - Київ: Київський університет, 2015. - 191 с.

3.2.6. Планування комерційної діяльності [Текст]: навч. посіб. для студ. вищ. навч. закл. / Г. М. Тарасюк. - К. : Каравела, 2015. - 400 с.

3.3. Internet resources

3.3.1. https://www.icao.int/Meetings/a39/Documents/Provisional_Doc_9626.pdf

3.3.2. https://www.icao.int/Meetings/atconf6/Documents/Doc%209626_en.pdf

3.3.3. https://www.icao.int/sustainability/Documents/Doc9587_en.pdf

3.3.4. https://www.icao.int/Meetings/atconf6/Documents/Doc%209587_en.pdf

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

	Maximum Grade Values
Kind of Academic Work	Module №1
1 semester	
Module №1 «Methodological aspects of air transport policy and planning»	
Carrying out laboratory classes (10p.*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 for the Module №1	100
Total for the subject	100

The graded test is determined (in values and in national scale grades) in the result of performing all types of academic work during a semester.

4.2. The completed types of classes are credited to student if he/she received a positive ratings.

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

4.4. The Total Semester Grade is entered into the Examination Register and into a student's record book, for example: *92/Ex/A*, *87/Good/B*, *79/Good/C*, *68/Sat/D*, *65/Sat/E*, etc.

4.5. The Total Grade for the subject is equal to the Total Semester Grades. The Total Grade is recorded to the Diploma Appendix.

(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				