

Yaroslav Mudryi National Law University

Department of administrative law and administrative activity

WORKING PROGRAM
of the academic discipline
«Public administration in space activity»

Level of higher education – the second (magister's) level

Degree of higher education – magister

Field of knowledge – 08 «Law»

Specialty – 081 «Law»

Discipline status – at the student's choice

Recruitment year - 2021

Kharkiv - 2021

Working program of the academic discipline «Public administration in space activity» for students of the second (magister's) level of higher education in the field of knowledge 08 "Law", specialty 081 "Law". Kharkiv: Yaroslav Mudryi National Law University, 2021.

Developer:

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Approved at a meeting of the Department of Administrative Law and Administrative Activities

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1. Description of the academic discipline

The working program of the study discipline "Public administration in space activity law" was developed in accordance with the educational and professional program "Law" of the second (master's) level of higher education, field of knowledge 08 "Law", specialty 081 "Law".

Name of indicators	Field of knowledge, specialty, level of education	Didactic structure of the academic discipline	
		full-time education	external form of education
The number of ECTS credits - 4.0	Field of knowledge - 08 "Law"	By the student's choice	By the student's choice
The number of modules - 3		Year of training: 2021–2022	Year of training: 2021–2022
	Specialty - 081 "Law"	semester	semester
The total number of hours – 120		1–2	1–2
	Level of education - second (master's)	Lectures	Lectures
		20 h.	6 h.
		Practical / seminar classes	Practical / seminar classes
		20 h.	4 h.
		Individual work	Individual work
		80 h.	110 h.
Weekly hours for full-time education: classrooms – 2–4, individual student work – 6–8 hours		Types of control: current control; final control of knowledge (differentiated assessment)	Types of control: current control; final control of knowledge (differentiated assessment)

The purpose and tasks of the educational discipline

The purpose of the academic discipline is to promote students' scientific awareness of public administration in the field of space activities; the creation of a modern scientific information space, which conditions the formation of a comprehensive view of advanced national space agencies and international space organizations; the legal regime of objects of space activities, state policy regarding the use of space for peaceful purposes; and ensuring the safety of space activities.

Tasks:

-formation of a system of theoretical knowledge about the patterns of formation and development of public administration in the space sphere; peculiarities of international

legal phenomena in the sphere of space activity; guiding principles and principles of ensuring long-term stability of space activity;

-analysis and research of the conceptual foundations of state policy in the field of space activities and the use of outer space for peaceful purposes and in the interests of state security;

-formation of a comprehensive understanding of subjects of space activity, their classification, and the legal regime of objects of space activity;

-development of skills and abilities to apply legislation and programme documents regarding public administration in the field of space activities;

-development the ability to analyze, classify, and carry out a proper legal assessment of their content;

-developing an understanding of the main concepts, categories, and special legal and technical terms of the subject field;

-promotion of scientific awareness of the foreign experience of courts in the aspect of consideration of public legal disputes in the field of space activity;

-determination of actual problems of adaptation of domestic legislation to the acquis of the European Union and further development in relation to the subject area.

1. Expected learning outcomes

As a result of mastering the academic discipline, a higher education student must be able to do the following:

LO-1	To have a comprehensive idea of the subjects of space activity, their classification, and the legal regime of objects of space activity.
LO 2	To be able to talk about complex legal problems and international legal issues in the field of space activities and to be able to predict the main directions of future change in the field.
LO -3	To formulate its legal position regarding the principles and principles of ensuring the long-term sustainability of space activities.
LO -4.	To understand the theoretical foundations of state policy in the field of space activities and the use of outer space for peaceful purposes and in the interest of state security.
LO -5	To integrate knowledge of the subject field's basic concepts, categories, and special legal and technical terms.
LO -6	To demonstrate an understanding of the legal regime of objects of space activity and subjects of space activity.
LO -7	To analyze the main provisions of legislation and programme documents regarding public administration in the field of space activities.
LO -8	To be aware of the foreign experience of courts in the aspect of consideration of public

	legal disputes in the field of space activities..
LO -9	To identify the problems of adaptation of domestic legislation to the acquis of the European Union and propose ways to solve them.
LO -10	To understand the role of space agencies in the formation of state policy for the development of the space industry.
LO -11	To demonstrate an understanding of the international legal regime of space security.
LO -12	To be aware of the administrative and legal regime of extraction and use of space resources.

The teaching of the academic discipline ensures the formation of general and special competences in the student of higher education and the achievement of learning outcomes determined by the standard of higher education of the relevant specialty and the educational and professional programme "Law," namely:

General competencies:

GC1. Ability to think abstractly, analyze, and synthesize.

GC 2. Ability to conduct research at an appropriate level.

GC 3: The ability to search for, process, and analyse information from a variety of sources.

GC 4: Adaptability and action in a new situation

GC 5. Ability to communicate in a foreign language in the professional sphere, both orally and in writing.

GC 6: Creativity (ability to generate new ideas).

GC 7: Decision-making ability

GC 8. Ability to communicate with representatives of other professional groups of different levels (with experts from other fields of knowledge and types of economic activity).

GC 9: The ability to work in an international setting.

GC 10: Project development and management skills.

GC 1.3. The ability to formulate a personal opinion and present it with evidence.

GC 1.5. Ability to lead, take responsibility, make unbiased and motivated decisions.

Special competents:

SC6. The ability to justify and motivate legal decisions, as well as to present detailed

legal arguments

SC9. The ability to use a multidisciplinary approach to evaluate legal phenomena and activities of law enforcement.

SC10. The ability to make decisions in situations that require a systematic, logical, and functional interpretation of legal norms, as well as an understanding of the peculiarities of their application in practice.

SC13. The ability to convey information, ideas, the content of problems, and the nature of optimal solutions to specialists and non-specialists in the field of law with proper reasoning.

SC1.4. The ability to use scientific principles of legal management and management decision-making in the field of legal work.

Program learning outcomes:

LOP1. Examine the nature and character of social processes and phenomena, as well as the limits and mechanisms of their legal regulation.

LOP 3. Collect, integrate, and summarise materials from a variety of sources, including scientific and professional literature, databases, digital, statistical, tests, and others, and test them for reliability using modern research methods.

LOP 4. Make a presentation of your research on a legal topic, using primary sources and techniques of legal interpretation of complex problems arising from this research. Argue the conclusions.

LOP 5. Communicate freely in a legal foreign language (one of the official languages of the Council of Europe) orally and in writing.

LOP 6. Reasonably formulate one's legal position, be able to oppose, evaluate evidence, and present convincing arguments.

LOP 7. Discuss complex legal problems, propose and substantiate options for their solution.

LOP 8. Assess the reliability of information and the reliability of sources; effectively process and use information for conducting scientific research and practical activities.

LOP 9. Generate new ideas and use modern technologies in the provision of legal

services.

LOP 11. Use advanced knowledge and methods when making and enforcing laws in public and private law and criminal justice institutions.

LOP 13. Analyze and evaluate the practise of application of individual legal institutions.

3. Contents of the curriculum

Module 1: General characteristics of public administration, regulatory framework, and guiding principles in the field of space activities in Ukraine and other countries.

Periodization of the development and formation of space activity in Ukraine. Soviet administrative and command planning of space activities: general essence and leading shortcomings. Differences and similarities between the Old and New Cosmos. Cosmization of law: genesis, regularities and peculiarities. The function of the law in the context of the global scientific revolution. The legal nature of space activity. State management and public administration in the field of space activities: correlation of concepts. Public administration in the field of space activity: concept and essence. Areas of activity of public administration; public administration in the field of space activities, as a subject of ensuring the public's interest. The leading role of public influence in the field of space activity. Types of public influence and their relationship.

The normative basis of space activity. General characteristics of legislation in the field of space activities. The creation and change of administrative norms in the space industry at the national level in accordance with the formation of a new administrative and legal mechanism in space activities. Targeted space programs, as a set of mechanisms of administrative activity of public administration for effective and safe use of space potential. Laws of Ukraine and other normative legal acts that form the legislation that provides the administrative and legal mechanism for implementing the regulation of space

activities. The role of national legislation in the field of public administration of space activities. International legal regulation of space activity and its connection with national.

Administrative and legal principles of Ukraine's public administration of space activities. Guiding principles and principles of ensuring long-term sustainability of space activities. Public-authority stimulation of state partnership with the private sector. Commercialization of outer space. Interaction between the public and private sectors in space activities. Rule of law in space activities.

Module 2: Administrative and legal mechanisms of public administration implementation in the field of space activities

Subjects of space policy development and implementation, their classification. Bodies of public administration in space activities of Ukraine. Administrative and legal status of the State Space Agency of Ukraine. Powers of the Ministry of Economy regarding the formation of state space policy. Administrative and legal status of the public administration, which carries out administrative and legal regulation in the field of space defense. The Ministry of Foreign Affairs as a subject of public administration in the field of space activities. MES, as a body of public administration, which ensures the formation and implementation of policy in the field of space activities. As subjects of public administration in the space sphere, advanced space agencies (NASA, ESA, CNSA, ISRO, JAXA) and international space organisations (UNOOSA, ITSO, INTELSAT, COPUOS, ITU) The role of space agencies in the formation of state policy for the development of the space industry. The main ways of power-organizational activity of the public administration in the field of space activity in Ukraine. Legislative establishment of basic principles, rules and norms of space activity and their classification. Acts defining the general legal basis for the implementation of space activities. Acts that determine the main legal principles for the implementation of state policy in the field of space activities. Acts defining the special legal basis for the implementation of a separate direction of the development of the space sphere. Acts that determine the procedural aspects of the settlement of certain types of relations

arising in the field of space activities. Acts that determine the principles for the implementation of administrative activities of individual subjects of public administration in the space sphere. Acts that determine the strategic directions of the development of the sphere of space activity. Acts defining agreements on cooperation in the field of space activities. Acts that determine certain separate assignments for the subjects of their execution. Development of the conceptual foundations of state policy regarding the use of outer space for peaceful purposes and in the interests of state security. Formation of a national targeted scientific and technical program in the field of space activity. Planning and financing of space activities at the expense of the state budget and promoting the attraction of other sources of financing. Targeted training of personnel for the space sphere at the expense of the state budget. The system of state guarantees for the development of space activities in Ukraine and their compliance with international standards and principles. Legal regime of objects of space activity. The procedure for determining compliance of the object of space activity with operational criteria (certification, registration, standardization). Specialized bodies for the administration of space activities and their powers in matters of licensing, registration of space objects, supervision and regulatory support. International Organization for Standardization (ISO) and its role. Ukraine's State Register of Space Vehicles: Concept, Essence, and Tasks Permit-licensing system as a component of the administrative-legal mechanism for ensuring space activities: order, rules and principles. Implementation of administrative proceedings on issues of forced cancellation of permits. Declaration in the field of space activity. State supervision of foreign economic activities. Peculiarities of the legalization of subjects of space activities (control and supervision activities, insurance).

Module 3. Comparative characteristics of the administrative and legal provision of space activities.

Ukraine's cooperation with advanced countries in the field of space activities and gaining experience and developing a new policy. Bilateral relations between

Ukraine and China in the sphere of space. Bilateral cooperation between Ukraine and Kazakhstan in the space sphere. Space Licensing in the United States. The formation of the United States' leadership policy in space activities, as well as the vectors of development of similar activities in Ukraine Administration of space programmes in Germany. The "Artemis" programme and its significance for Ukraine and participating countries.

International obligations and implementation of administrative proceedings in the field of space activities. Current issues of Ukraine's compliance with international obligations in administrative proceedings regarding the legal regulation of international cooperation in the development and use of outer space. Foreign experience of courts in the consideration of public legal disputes in the field of space activity and ways of its implementation in Ukraine. Ways to improve domestic administrative and legal mechanisms and draw on developed countries' best experience in space activities

Administrative and legal provisions of special areas of space activity. Administrative and legal support of space activities in the aspects of navigation support (GNSS), remote sensing of the Earth and extraction of space resources. Administrative and legal provisions on the use of outer space for peaceful purposes and in the interests of state security. International legal regime of space security.

4. Scope and structure of the academic discipline

4.1. For students of full-time higher education

No	Date (according to the schedule)	Subjects of the training course	Hours			
			Total	Including		
				Lectur es	Practical classes, seminar classes, colloquiums , etc	Individual work
		Module 1. General characteristics of public administration, regulatory framework and				

		guiding principles in the field of space activities in Ukraine and abroad.				
		Topic 1. Periodization of the development and establishment of space activity in Ukraine.	12	2	2	8
		Topic 2. Public administration in the field of space activity: concept and essence.	12	2	2	8
		Topic 3. Normative base of space activity.	12	2	2	8
		Topic 4. Administrative and legal principles of public administration of space activities in Ukraine.	10	2	2	6
		Total	46	8	8	30
		Module 2: Administrative and legal mechanisms of public administration implementation in the field of space activities				
		Topic 1. Subjects of space policy development and implementation, and their classification.	14	2	2	10
		Topic 2. The main ways of power-organizational activity of the public administration in the field of space activity in Ukraine.	12	2	2	8
		Topic 3: The system of state	12	2	2	8

		guarantees for the development of space activities in Ukraine and how they meet international standards and principles. .				
		Total	38	6	6	26
		Module 3: Comparative features of administrative and legal provisions for space activities				
		Topic 1. Ukraine's cooperation with advanced countries in the field of space activities as a means of borrowing experience and forming a new policy.	12	2	2	8
		Topic 2: International responsibilities and how administrative procedures are carried out in the field of space activities.	12	2	2	8
		Topic 3: Administrative and legal provisions applicable to specific areas of space activity	12	2	2	8
		Total	36	6	6	24
		Total hours / ECTS credits	120/4,0	20	20	80

4.2. For students of higher education via correspondence

No	Date (according to the schedule)	Subjects of the training course	Hours			
			Total	Including		
				Lectures	Practical classes, seminar	Individual work

					classes, colloquiums , etc	
		Module 1. General characteristics of public administration, regulatory framework and guiding principles in the field of space activities in Ukraine and abroad.				
		Topic 1. Periodization of the development and establishment of space activity in Ukraine.	13	1	1	11
		Topic 2. Public administration in the field of space activity: concept and essence.	12	1	-	11
		Topic 3. Normative base of space activity.	11	-	-	11
		Topic 4. Administrative and legal principles of public administration of space activities in Ukraine.	11	-	-	11
		Total	47	2	1	44
		Module 2: Administrative and legal mechanisms of public administration implementation in the field of space activities				
		Topic 1. Subjects of space policy development and implementation, and their classification.	16	1	1	14

		Topic 2. The main ways of power-organizational activity of the public administration in the field of space activity in Ukraine.	13	1	1	11
		Topic 3: The system of state guarantees for the development of space activities in Ukraine and how they meet international standards and principles. .	11	-	-	11
		Total	40	2	2	36
		Module 3: Comparative features of administrative and legal provisions for space activities				
		Topic 1. Ukraine's cooperation with advanced countries in the field of space activities as a means of borrowing experience and forming a new policy.	13	1	1	11
		Topic 2: International responsibilities and how administrative procedures are carried out in the field of space activities.	12	1		11
		Topic 3: Administrative and legal provisions applicable to specific areas of space activity	8	-	-	8
		Total	33	2	1	30
		Total hours /	120/4,0	6	4	110

		ECTS credits				
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5. Pedagogical control and learning outcome assessment tools

Evaluation of the results of learning in the educational discipline "Public administration in space activity law " involves current and final control and is carried out on the basis of a cumulative point-rating system.

Current control of students' knowledge includes:

- quality control of the students' assimilation of the programme material of the educational discipline in practical classes using the following tools: oral/written survey, express survey, solving practical tasks, participation in the development of a case, preparation of a presentation, essay, etc. The current control is aimed at checking the level of the student's preparation in studying the current material. In the course of the practical session, the student can receive an assessment on a four-point scale (0, 3, 4, 5);

-quality control of the students' assimilation of the programme material of the educational discipline, which is carried out at the end of the modules in the form of colloquiums.

An obligatory form of independent work for students is the preparation of a final written work. The maximum number of points based on the results of the defence of the final written work is 20 points.

A differentiated assessment is the form of final control of the knowledge of higher education students in an academic discipline. The minimum number of points to obtain a differentiated credit is 60 points.

Distribution of points between forms of organisation of the educational process and types of control measures:

Distribution of points between forms of organisation of the educational process and types of control measures:

Current control							Final assessment of knowledge (Differential balance)
Modul № 1		Modul № 2		Modul № 3		Individual work	
p/s	Colloquium	p/s	Colloquium	p/s	Colloquium		
max 20	max 10	max 15	max 10	max 15	max 10	max 20	max 100

6. Criteria for evaluating learning outcomes

Type of control	Scores	Criteria (for each assessment)
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Current control in a practical session	Max 5	Excellent assimilation of educational material on the topic, some minor shortcomings are possible.
	4	Good assimilation of the material on the topic, but there are some mistakes.
	3	Satisfactory level of assimilation of the material, a significant number of errors.
	Min 0	Unsatisfactory level of assimilation of the material.
Colloquium Individual final written work	Max 10	The results of processing the material are high, a small number of insignificant errors are possible.
	5	Satisfactory level of assimilation of the material, a significant number of errors.
	Min 0	Unsatisfactory level of assimilation of the material.
Differentiated scoring	Max 20	The work is designed in accordance with the requirements of the department. The work does not contain methodological errors, there are references to sources and own conclusions. In the defense, in-depth knowledge of the topic is demonstrated, as well as proof of conclusions, positions, classifications, etc.
	15	The work is designed in accordance with the requirements of the department. The work contains minor methodological errors, there are references to sources, there are own conclusions. During the defense, you have to show that you know enough about the topic and that your conclusions, positions, classifications, etc. are correct.
	10	The work is designed to meet the department's needs, but there are a few small mistakes. The work contains methodological and content errors, there are references to sources, there are own conclusions. During the defense, sufficient knowledge of the topic was demonstrated, but there were problems with the argumentation of individual concepts and judgments in the work, the proof of conclusions.
	5	The work was done wrong and didn't follow the cathedral's rules about how it should be done. The work contains methodological and substantive errors, an insufficient number of sources were used to substantiate the research and conclusions. During the defense, there were problems with revealing the topic's content, making arguments about different parts of the work, and proving the conclusions' validity and where they came from.
	Min 0	The work is improperly designed, without references to sources, and contains methodological errors. During the defense, the author of the work cannot demonstrate knowledge of the chosen topic, provide arguments for concepts, or perform information analysis.

		The work was performed in violation of the requirements of academic integrity.
type of control Current control	100	<ol style="list-style-type: none"> 1. Thorough, systematic, and in-depth knowledge of the material provided by the curriculum of the academic discipline, including orientation in the academic discipline's main scientific doctrines and concepts. 2. Reading the department's recommended primary and secondary literature 3. The ability to independently replenish knowledge of the academic discipline and use the acquired knowledge in practical work.
	90	<ol style="list-style-type: none"> 1. Complete understanding of the academic discipline's curriculum material 2. Understanding the fundamental literature as well as the department's recommended additional literature 3. The ability to replenish knowledge of the discipline independently while understanding its importance in practical work.
	85	<ol style="list-style-type: none"> 1. Enough knowledge of the information given by the programme of the educational discipline, with no major mistakes in the answer. 2. Reading the department's recommended basic literature 3. The ability to replenish knowledge of the discipline independently while understanding its importance in practical work.
	75	<ol style="list-style-type: none"> 1. Knowledge of the basic material provided by the academic discipline's curriculum, in sufficient quantity for further study and future work in the profession. 2. Reading the department's recommended basic literature 3. Errors and significant inconsistencies in the answer to the assessment can be eliminated if there is knowledge to eliminate them independently or with the help of the teacher.
	70	<ol style="list-style-type: none"> 1. Knowledge of the basic material provided by the academic discipline's curriculum, in sufficient quantity for further study and future work in the profession. 2. Familiarity with the department's recommended basic literature 3. Errors in the answer to the test in the presence of knowledge to get rid of the most important mistakes with the help of the teacher.
	60	<ol style="list-style-type: none"> 1. Knowledge gaps in certain aspects of the main material provided by the academic discipline's curriculum 2. The presence of errors in the answers to test questions
in a practical session	55	<ol style="list-style-type: none"> 1. Lack of knowledge of a significant portion of the main material provided by the academic discipline's program.

		2. Inability to continue studying or performing professional activities until a repeat course in this discipline is completed.
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7. Pedagogical control for students of higher education full-time/part-time study

Scale of final pedagogical control

Assessment on the ECTS scale	Definition	Assessment on the national scale for credit	Assessment on a 100-point scale used at NYU
A	Excellent - Excellent execution, with only a small number of errors	passed	90 – 100
B	Very good - above average with a few errors		80 – 89
C	Good - generally correct work with a number of minor errors		75 – 79
D	Satisfactory - not bad, but with a significant number of shortcomings		70 – 74
E	Sufficient – performance meets minimum criteria		60 – 69
FX	Unsatisfactory - work needs to be done before rewriting	no passed	35 – 59
F	Unsatisfactory - serious further work is required, a mandatory repeat course		0 – 34

8 Educational, methodical and informational support of the educational discipline

Normative and legal acts

1. Agreement between the European Organization for the Use of Meteorological Satellites and the National Space Agency of Ukraine, 2000. URL: https://zakon.rada.gov.ua/laws/show/994_177#Text

2. Agreement between the Government of Ukraine and the Government of the People's Republic of China on cooperation in the exploration and use of outer space for peaceful purposes, 1995. URL: https://zakon.rada.gov.ua/laws/show/156_200#Text

3. Agreement between Ukraine and the United States of America on cooperation in research and use of outer space for peaceful purposes, 1996. URL: https://zakon.rada.gov.ua/laws/show/840_647#Text

4. Agreement on the rescue of cosmonauts, the return of cosmonauts, and the return of objects launched into outer space, 1968 URL: https://zakon.rada.gov.ua/laws/show/995_483#Text

5. Association Agreement between Ukraine, on the one hand, and the European Union, the European Atomic Energy Community and their member states, on the other hand, 2014. URL: https://zakon.rada.gov.ua/laws/show/984_011#Text

6. Concept of the draft Law of Ukraine "On State Regulation in the Field of Remote Sensing of the Earth": approval by order of the Cabinet of Ministers of Ukraine dated August 28, 2013 No. 657 URL: <https://zakon.rada.gov.ua/laws/show/657-2013-%D1%80#Text>

7. Convention for the establishment of a European Space Agency, 1975. URL: https://zakon.rada.gov.ua/laws/show/994_462#Text

8. Convention on International Liability for Damage Caused by Space Objects, 1972. URL: https://zakon.rada.gov.ua/laws/show/995_126#Text

9. Declaration of Legal Principles Governing the. Activities of States in the Exploration and. Use of Outer Space, 1963. URL: https://zakon.rada.gov.ua/laws/show/995_a31#Text

10. Decree of the President of Ukraine about the National Space Agency of Ukraine dated 29.02.1992. No. 117. URL: <https://zakon.rada.gov.ua/laws/show/117/92#Text>

11. Framework agreement between the Government of Ukraine and the Government of the Federative Republic of Brazil on cooperation in the use of outer space for peaceful purposes, 1999. URL: https://zakon.rada.gov.ua/laws/show/076_008#Text

12. Law of Ukraine: On space activity, dated November 15, 1996. No. 502/96-VR .URL: <https://zakon.rada.gov.ua/laws/show/502/96-%D0%B2%D1%80#Text>

13. National Targeted Scientific and Technical Space Program for 2021-2025: approval. by order of the Cabinet of Ministers of Ukraine dated

13.01.2021. No.15 URL: <https://zakon.rada.gov.ua/laws/show/15-2021-%D1%80#Text>

14. Principles Governing the Use by States of Artificial Earth Satellites for International Direct Television Broadcasting, 1982 URL: https://zakon.rada.gov.ua/laws/show/995_497#Text

15. Regulations on the State Space Agency of Ukraine: approved by Resolution No. 281 of the Cabinet of Ministers of Ukraine dated May 14, 2015. URL: <https://zakon.rada.gov.ua/laws/show/281-2015-%D0%BF#Text>

16. Resolution 41/65 of the UN General Assembly "Principles relating to remote sensing of the Earth from outer space" of 1986. URL: https://zakon.rada.gov.ua/laws/show/995_596#Text

17. Strategy of space activity of Ukraine for the period until 2022: approved by order of the State Space Agency of Ukraine dated May 21, 2015 No. 100. URL: <https://zakon.rada.gov.ua/rada/show/v0100814-15#Text>

18. The Convention on Registration of Objects Launched into Outer Space, 1975. URL: https://zakon.rada.gov.ua/laws/show/995_253#Text

19. Treaty on Principles Governing the Activities of States in the Exploration and Use of Outer Space, including the Moon and Other Celestial Bodies, 1967. URL: https://zakon.rada.gov.ua/laws/show/995_480#Text

Basic literature

1. Kostenko I. Public administration in the Space industry of Ukraine and the implementation of European standards. *State building and local government*. 2021. No. 41. P. 175–188.

2. Kostenko, Inesa (2019) European Space Agency: an overview of the legal frame. *Advanced Space Law*. Volume 3. P. 63–71.

3. Kostenko, Inesa (2020) Current Problems and Challenges in International Space Law: Legal Aspects. *Advanced Space Law*. Volume 5. P. 48–57. URL: http://asljournal.org/journals/2020-5/ASL_vol_5_Kostenko.pdf

4. Kostenko, Inesa (2020) The draft Law of Ukraine «On the Extraction and Utilization of Natural Resources of the Moon and Other Celestial Bodies». *Advanced Space Law*. Volume 6. P. 29–42.
5. Kostenko, Inesa (2021) Artemis Accords and the Future of Space Governance. *Advanced Space Law*. Volume 8. P. 40–50.
6. Smoliiy, Ihor Volodymyrovych. Administrative justice in Ukraine and space law. *Advanced Space Law*. Vol. 1. P. 91–97.
7. Soroka L.V. Bodies of public administration of space activities of Ukraine. *Comparative and analytical law*. 2020. No. 1. P. 286–288.
8. Soroka L.V. Concept and essence of public administration of space activities in Ukraine. *Modern Scientific Researches*. 2020. No. 11. P. 96–103.
9. Soroka L.V. Concepts of "state regulation" and "state management" of space activities and their distinction. *Scientific bulletin of public and private law*. 2019. No. 4. P. 193–199.
10. Soroka L.V. International legal regulation of space activities. *Carpathian Legal Bulletin*. 2017. Issue 1. P. 330–333.
11. Soroka L.V. The role of national norms of space legislation in the regulation of space activities. *Scientific Bulletin of the Uzhhorod National University*. "Law" series. 2016. Issue 40. V.3. P.155–160.
12. Utko-Maslyanyk Yu.M. Institutional mechanism of implementation of the European space policy. *Actual problems of international relations*. 2013. Issue 115. Part 2. P.210–217.

Additional literature

1. Highlights of ESA rules and regulations. URL: https://www.esa.int/About_Us/Law_at_ESA/Highlights_of_ESA_rules_and_regulations
2. Jur O.E. State regulation of space industry enterprises of Ukraine: new realities and challenges. Efficient economy. 2015. No. 1. URL: <http://www.economy.nayka.com.ua/?op=1&z=3748>

3. Krige, A. Russo and L. Sebesta; A History of the European Space Agency, 1958–1987; Vol. II. The story of ESA, 1973 to 1987, 2000. URL: <https://www.esa.int/esapub/sp/sp1235/sp1235v2web.pdf>
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The official online representation of the President of Ukraine – <https://www.president.gov.ua/>

The official web portal of the Cabinet of Ministers of Ukraine – <https://www.kmu.gov.ua/>

The official web portal European Centre of Space Law – www.esa.int

The official web portal The National Aeronautics and Space Administration – <https://www.nasa.gov/>

List of Current Space Act Agreements – <https://www.nasa.gov/partnerships/about.html>

The official web portal of the State Space Agency of Ukraine –
<https://www.nkau.gov.ua/ua/>

Global Positioning System (GPS) – <https://www.gps.gov/>

SEEMC

Standardized electronic educational and methodological complex of the department of administrative law and administrative activity.

URL:https://library.nlu.edu.ua/index.php?option=com_k2&view=itemlist&task=category&id=236:kafedra-administrativnogo-prava2&Itemid=151