

WORK PROGRAMME OF THE DISCIPLINE:

COURSE TITLE	КЛІМАТИЧНИЙ МЕНЕДЖМЕНТ CLIMATE MANAGEMENT
LEVEL OF HIGHER EDUCATION (DEGREE)	FIRST (BACHELOR)
FIELD OF STUDY	07 MANAGEMENT AND ADMINISTRATION
MAJOR	073 MANAGEMENT
PROGRAM SUBJECT AREA	MANAGEMENT (ENGLISH)
STATUS OF THE DISCIPLINE	Compulsory
MODE OF STUDIES	FULL-TIME, PART-TIME, E-LEARNING
TOTAL NUMBER OF HOURS/ ECTS CREDITS	150 HOURS /5 ECTS CREDITS
LANGUAGE OF INSTRUCTION	ENGLISH
LECTURER	BIELOVA OLENA IHORIVNA Assoc. Prof., Ph.D.
LECTURER'S PROFILE	https://www.krok.edu.ua/ua/pro-krok/spivrobitniki/belova-olena-igorivna
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CONSULTATIONS	<i>consultations on campus:</i> - <i>Online consultations:</i> consultations in MS Teams (Fridays 13:30- 14:30) https://teams.microsoft.com/l/meetup-join/19%3ameeting_MTZhNzgwZTktdNDQ4ZC00MGM5LTkzOWItYTU2NzkzN2U0NWQy%40thread.v2/0?context=%7b%22Tid%22%3a%22cf94ad9d-2983-43f5-9909-722602ea2165%22%2c%22Oid%22%3a%220a60f68c-9f8a-4238-b108-23a5cbbf3c72%22%7d

1. Brief summary of the course

The Climate Management course provides a comprehensive understanding of the principles, strategies, and regulatory frameworks governing climate management in Ukraine and the European Union. It explores the key aspects of planning, organization, leadership, control, and regulation in climate management, emphasizing the importance of sustainability and environmental responsibility in modern business and governance.

The course integrates knowledge from environmental science, public administration, and management to analyze climate-related challenges and solutions. Students will examine the role of climate policies, risk assessment methods, and sustainable development strategies in addressing

climate change. Special attention is given to the effectiveness of climate management in various sectors, including industry, urban development, and energy.

The aim of the course is to highlight the importance, role, and functions of climate management in fostering sustainable environmental practices and mitigating climate risks. The goals of the course include: 1) Understanding the fundamentals of climate management in Ukraine and the EU; 2) Exploring planning and organizational processes in climate management; 3) Examining leadership approaches and regulatory mechanisms in climate governance; 4) Evaluating the effectiveness of climate management strategies in achieving sustainability goals.

By the end of the course, students will develop analytical and managerial skills necessary for effective climate management decision-making. They will be equipped to design and implement climate policies, assess environmental risks, and contribute to sustainable development initiatives. The course prepares students for professional roles in environmental governance, corporate sustainability, climate policy advising, and international organizations focused on climate action.

2. Learning outcomes

3. Course scope

Type of class	Total number of hours/ ECTS credits		
	full-time part	part-time	e-learning
Total number of hours / mode of studies			
lectures	28	14	14
seminars / practical / laboratory classes	22	7	7
Individual work	100	129	129
Credit	-	-	-

4. Prerequisites

Introduction to Management

5. Hardware and software

PC / laptop, Internet access, camera, microphone

6. Course policies – students must adhere to a code of academic integrity:

<https://int.krok.edu.ua/images/download/code-of-academic-integrity-2025.pdf>

Academic integrity is the presentation of one's own work and the proper recognition of the contribution of others.

Any violation of this principle constitutes academic dishonesty and may result in poor evaluation and disciplinary action.

Forms of academic dishonesty include:

- Plagiarism - presenting all or part of someone else's work as one's own in an academic exercise, such as an exam, a computer program, or a written assignment.
- Fraud - Using or attempting to use unauthorized materials during an exam or assignment, such as using unauthorized texts or notes or improperly obtaining (or attempting to obtain) a copy of an examination or exam answers.

- Promoting academic dishonesty - helping others commit an act of dishonesty, such as replacing an exam or completing a task for someone else.
- Fabrication - modification or transfer, without permission, academic information, or records.

7. Programme of the course

Topic 1: Overview of Climate Management in Ukraine and the EU

This topic introduces the fundamentals of climate management, examining its principles, objectives, and significance in environmental sustainability. Students will explore the role of climate policies, international agreements, and regulatory frameworks in Ukraine and the European Union. The topic highlights key climate challenges, including carbon emissions, resource conservation, and adaptation strategies. Comparative analysis of Ukrainian and EU climate policies provides insights into best practices and areas for improvement.

Topic 2: Planning of Climate Management

This topic focuses on the strategic planning process in climate management. Students will learn about goal-setting, risk assessment, and policy formulation in environmental governance. Emphasis is placed on the integration of climate strategies into national and corporate decision-making. The topic explores methodologies such as environmental impact assessments (EIA) and climate action plans (CAPs), providing practical tools for developing sustainable climate policies.

Topic 3: Organizational Processes of Climate Management

This topic examines the key organizational structures and operational mechanisms involved in climate management. Students will explore the roles of governmental agencies, non-governmental organizations (NGOs), and private sector stakeholders in implementing climate policies. The discussion covers resource allocation, collaboration between institutions, and the impact of organizational culture on climate-related decision-making. Case studies illustrate successful climate management initiatives and their organizational frameworks.

Topic 4: Leading Climate Management

Leadership plays a crucial role in driving climate action. This topic explores different leadership models and strategies for effective climate governance. Students will analyze the roles of public and private sector leaders, policymakers, and activists in promoting sustainable environmental practices. Special focus is placed on transformational leadership, stakeholder engagement, and corporate social responsibility (CSR) in climate-related initiatives. The topic also discusses ethical considerations in climate leadership and ways to mobilize communities for climate action.

Topic 5: Controlling Climate Management

This topic explores monitoring, evaluation, and control mechanisms in climate management. Students will examine performance indicators, compliance measures, and enforcement strategies used to ensure the effectiveness of climate policies. Topics include greenhouse gas (GHG) tracking, sustainability audits, and impact assessments. The discussion emphasizes the importance of transparency, accountability, and data-driven decision-making in climate management.

Topic 6: Regulation of Climate Management

Regulatory frameworks are essential for effective climate governance. This topic covers national and international climate regulations, including the Paris Agreement, EU Green Deal, and national environmental policies. Students will analyze legal instruments such as carbon pricing, emissions trading schemes (ETS), and climate finance mechanisms. The topic also discusses the role of regulatory bodies, policy enforcement, and legal challenges in climate management.

Topic 7: Effectiveness of Climate Management

The final topic evaluates the impact of climate management strategies on environmental and economic sustainability. Students will assess key success factors, best practices, and potential barriers to effective climate governance. Case studies highlight successful climate initiatives, providing insights into policy effectiveness and long-term sustainability. The topic also explores future trends in climate management, such as green technologies, circular economy models, and climate resilience strategies.

8. Course scheme

Topic	Number of hours									Control form
	Full-time part			Part-time study			E -learning			
	Lectures	Seminars /practical	Individual work	Lectures	Seminars /practical	Individual work	Lectures	Seminars /practical	Individual work	
Topic 1: overview of climate management in ukraine and eu	4	2	14	2	1	18	2	1	18	S, T, CS, P
Topic 2: planning of climate management	4	4	14	2	1	18	2	1	18	S, T, CS, P
Topic 3: organizational processes of climate management	4	2	14	2	1	18	2	1	18	S, T, CS, P
Topic 4: Leading of climate management	4	4	14	2	1	18	2	1	18	S, T, CS, P
Topic 5: Controlling of climate management	4	2	14	2	1	18	2	1	18	S, T, CS, CA, P
Topic 6: Regulation of climate management	4	4	15	2	1	19	2	1	19	S, T, CS, P
Topic 7: Effectiveness of climate management	4	4	15	2	1	20	2	1	20	IA, S, T, CS, P
Total hours	28	22	100	14	7	129	14	7	129	-
FINAL CONTROL/ CREDIT	-			-			-			-
TOTAL	150			150			150			-

Control form

IA – individual assignments

S – survey
T – test, mid-term tests
CA – calculation assignments
CS – solving case-studies
P – oral presentation
E - exam

9. Individual tasks

Individual tasks are an integral part of the educational process, as they contribute to the development of analytical skills, creative thinking and independence of students.

Content of an individual educational and research task (educational project)

The individual task consists of three types of questions, task options posted on the moodle platform:

1. Open question:

- o Requires a detailed, detailed answer based on theoretical knowledge and analysis of additional information.
- o Tests your understanding of the topic, ability to formulate your own opinions and argue your position.

2. Calculation task:

- o Involves performing certain calculations using formulas or economic models.
- o Tests knowledge of economic methods and the ability to apply them in practice.

3. Situational task:

- o Presents a real economic problem or case that needs to be analyzed and a solution proposed.
- o Tests your ability to apply theoretical knowledge to solve practical problems and make informed decisions.

Requirements for completing the task:

- Clear structure: Answers should be logically structured, contain an introduction, main body and conclusions.
- Argumentation: Each statement must be supported by arguments and references to sources.
- Accuracy of calculations: When performing calculations, it is necessary to observe accuracy and use appropriate units of measurement.
- Originality: Answers must be your own and contain no plagiarism.
- Design: The work must be designed in accordance with the requirements specified on the moodle platform.

10. Teaching methods

In the process of studying the discipline "**Climate management**", various types of educational activities, teaching methods and technologies are used.

Types of educational activities:

1. Lectures: classes where the teacher presents theoretical and practical guidance material, analyzing the main concepts and tools of the discipline.
2. Seminars: interactive sessions in which students discuss topics, analyze case studies, and participate in group discussions that contribute to a deeper understanding of the material.
3. Practical classes: focus on the application of particular tools.

Teaching methods and technologies:

1. Presentations and multimedia materials: the use of slides, videos and graphs, which facilitate the perception of information and make the educational process more visual.
2. Active learning methods: include group projects, discussions, role-playing games, and brainstorming sessions that promote active student involvement in the process.
3. Case method: analysis of real business situations, which allows students to practically apply theoretical knowledge, develop critical thinking and decision-making skills.

Use of information technologies: interactive platforms for learning

11. Control methods

Control measures are used to determine the success of training. Control measures include final control. The final control is carried out to evaluate the learning results after the end of the study of the discipline according to the working curriculum.

When studying this course, the following form of final control is used: credit.

12. Distribution of points received by students

Evaluation of student learning results is carried out according to the University scale (0-100) and the national scale.

General course evaluation system: Participation in the work during the semester / exam – 60%/40%

All tasks must be written independently, plagiarism is prohibited, no references or citations are required. The quality and originality of arguments are evaluated. The assignments should be presented in Moodle.

13.1. Scoring scheme for the course

Type of educational activity	Max score	Max total score
Solving case-studies (2 x 15 points)	30	
Calculation assignments (2 x 10 points)	20	
Surveys / Individual work (1 x 10 points)	10	
Total for practical tasks	60	
	Final test	40
	Total for the course	100

The maximum score for completing an optional assignment is 20 (for example, writing a scientific article).

13.2. Conditions for awarding points

1. Solving Case-Studies (Maximum Score – 30 Points)

Assessment Criteria:

Completeness of the Solution (12 Points):

Clear explanation of all steps in the problem-solving process, proper justification of tools, formulas, and methods applied.

Accuracy of Answers (12 Points):

All calculations and results must be precise and based on logical reasoning or evidence.

Clarity of Presentation (6 Points):

Well-structured solutions, proper use of terminology, and adherence to formatting standards.

Breakdown:

2 Case-Studies × 15 Points Each = 30 Points Total

2. Calculation Assignments (Maximum Score – 20 Points)

Assessment Criteria:

Completeness of the Solution (8 Points):

Detailed explanation of formulas and methods, logical flow, and clear presentation of steps.

Accuracy of Answers (8 Points):

Precise calculations with accurate results and proper use of numerical data.

Clarity of Presentation (4 Points):

Logical structure, proper formatting, and consistent use of symbols, units, and annotations.

Breakdown:

2 Assignments × 10 Points Each = 20 Points Total

3. Surveys / Individual Work (Maximum Score – 10 Points)

Assessment Criteria:

Depth of Analysis (4 Points):

Critical evaluation of data, integration of sources, and clear articulation of arguments.

Structure and Formatting (2 Points):

Proper organization, adherence to formatting guidelines, and use of citations.

Originality and Creativity (2 Points):

Innovative approaches, practical recommendations, and personal insights.

Responses to Questions (2 Points):

Active participation in discussions, ability to present ideas clearly, and address feedback.

Breakdown:

2 Activities × 5 Points Each = 10 Points Total

4. Final Test (Maximum Score – 40 Points)

Assessment Criteria:

Number of Correct Answers (20 Points):

The test consists of 20 questions, each worth 2 points.

Evaluation Focus:

Assessing theoretical knowledge, practical application, and comprehension of key concepts.

Breakdown:

Final Test = 40 Points Total

5. Total Evaluation for the Course

Practical Tasks (Case-Studies, Assignments, and Individual Work): 60 Points

Final Test: 40 Points

Grand Total: 100 Points

13.3. Final assessment criteria

University scale	Ukrainian Grade
90 and higher	excellent
70–89	good
50–69	satisfactory
1–49	unsatisfactory

14. Methodological provision

Attention students: all educational and methodological materials (lecture plans and videos, presentations/seminar assignments/case-studies, etc.) are submitted in Moodle Course: Кліматичний менеджмент (Climate management)_Белова О.І.: <https://dist.krok.edu.ua/course/view.php?id=2365>

15. Recommended literature

Basic

1. Dessler, A. E. (2021). Introduction to Modern Climate Change (3rd ed.). Cambridge University Press.

Additional

1. Steffen, W., Richardson, K., Rockström, J., Cornell, S. E., Fetzer, I., Bennett, E. M., ... & Sörlin, S. (2015). Planetary Boundaries: Guiding Human Development on a Changing Planet. *Science*, 347(6223). <https://doi.org/10.1126/science.1259855>

2. Field, C. B., Barros, V. R., Dokken, D. J., Mach, K. J., Mastrandrea, M. D., Bilir, T. E., ... & White, L. L. (2014). *Climate Change 2014: Impacts, Adaptation, and Vulnerability*. Cambridge University Press.

3. Oberthür, S., & Dupont, C. (2021). *The European Union's International Climate Change Policy: The Paris Agreement and Beyond*. Palgrave Macmillan.

4. Pindyck, R. S. (2020). The Economic and Policy Consequences of Catastrophes. *American Economic Journal: Economic Policy*, 12(4), 340–370. <https://doi.org/10.1257/pol.20190079>
- Hulme, M. (2020). *Climate Change: Key Ideas in Geography*. Routledge.
5. Bodansky, D., Brunnée, J., & Rajamani, L. (2017). *International Climate Change Law*. Oxford University Press.
6. Gunningham, N. (2022). Averting Climate Catastrophe: Environmental Regulation in the Age of AI and Robotics. *Annual Review of Environment and Resources*, 47, 187–210. <https://doi.org/10.1146/annurev-environ-120920-094050>

16. Additional information on the discipline (educational component)

Certificates of completion for distance or online courses on the relevant topics may be credited provided that the requirements outlined in the corresponding regulation are met.

Work programme of the discipline:

Compiled by: Associate Professor of the Department of Marketing and Behavioral Economics, PhD in Economics, Associate Professor Olena Bielova.

Approved: at the meeting of the Department of International Business (Protocol No. 2 dated September 17, 2024).