



Syllabus Course Program



Concepts of sustainable development

Specialty

073 – Management

Institute

Institute of Education and Science in Economics, Management and International Business

Educational program

Business administration (in English)

Department

Management (204)

Level of education

Master's level

Course type

Special (professional), Elective (optional)

Semester

2

Language of instruction

English

Lecturers and course developers

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Doctor of Economics Science, Professor, Professor of Management Department (NTU "KhPI")

Authored and co-authored over 180 scientific publications. Courses: "Business communications ", " Human resource management and organizational behavior ", " Organizational behavior ", " Concepts of sustainable development", Human Resource Management"

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General information

Summary

The course examines the principles and methods related to the definition of the concept of sustainable development, as well as its history of formation, the goals of sustainable development are studied, and an understanding of the concept of sustainable development, mechanisms of system stability, and the formation of patterns of human-nature interaction is formed.

Course objectives and goals

The main goal of the discipline is to introduce the concept of sustainable development, its history of formation, the state and characteristics of the system, the mechanisms of system stability and the formation of patterns of interaction between man and nature.

Format of classes

Lectures, workshops. Final control is in the form of a differentiated grading.

Competencies

GC2. Ability to communicate with representatives of other professional groups at different levels (with experts from other fields of knowledge/types of economic activity)

SC1. Ability to choose and use management concepts, methods and tools, including in accordance with defined goals and international standards

SC2. The ability to establish values, vision, mission, goals and criteria by which the organization determines further directions of development, to develop and implement appropriate strategies and plans.

Learning outcomes

LO7. Organize and carry out effective communications within the team, with representatives of various professional groups and in an international context;

LO5. Plan the activities of the organization in strategic and tactical sections;

LO6. Have the skills to make, substantiate and ensure the implementation of management decisions in unpredictable conditions, taking into account the requirements of current legislation, ethical considerations and social responsibility.

Student workload

The total volume of the discipline is 120 hours. (4 ECTS credits): lectures – 32 hours, practical – 16 hours, independent work – 72 hours.

Course prerequisites

The prerequisites for this course are knowledge and practical skills, demonstrated by successfully passing the Unified Professional Entrance Exam in Management and Administration (Order of the Ministry of Education and Science of Ukraine No. 157 dated February 11, 2022)

Features of the course, teaching and learning methods, and technologies

Interactive lectures with presentations, discussions, workshops, teamwork, case-based learning, feedback between students, problem-based learning.

Program of the course

Topics of the lectures

Topic 1. Theoretical foundations of the strategy of sustainable development of the economy

Basic concepts and definitions of sustainable development, concepts of sustainable development, the history of the concept of sustainable development, the system and its changes

Topic 2. States and characteristics of systems

Formation of regularities of interaction between man and nature, mechanisms of system stability, Basic characteristics of system stability

Topic 3. Global goals of sustainable development

Study of 17 goals of sustainable development and their main properties

Topic 4. Theoretical basis of management of sustainable development of the enterprise

The concept of organizational development, some measures to improve the management of organizations, the definition of "framework conditions" for the sustainability of the development of the economic and production system (ECS) of the enterprise

Topic 5. Organization as a complex system and object of management

Characteristics of the essence of the concept of "organization", the main aspects of the organizational process, the organizational management mechanism, the life cycle of the organization: concepts and stages of development, features of the management system at different stages of the life cycle

Topic 6. Organizational development

Characteristics of the concept of "organizational development", tasks and goals of organizational development, models of organizational development, the process of organizational development of an enterprise.

Topic 7. Organizational changes as a component of organizational development

Organizational changes as a means of organizational development, the development of an enterprise through a change in its organizational structure, the optimal and effective organizational structure of an enterprise, modern trends in the organizational development of enterprises, the main features of the enterprise of the future

Topic 8. Management of organizational development

The essence of enterprise development management, the mechanism of enterprise development management, the peculiarities of enterprise organizational development management

Topic 9. Modernization of organizational structures of the enterprise

Strategic advantages and disadvantages of various organizational structures of enterprise management, directions of modernization of organizational structures of enterprise management, prospects for adaptation of enterprise organizational structures, characteristics of the enterprise organizational structure project.

Topic 10. General methodological provisions regarding the principles of planning and implementation of the company's development strategy

General characteristics of the company's economic development planning process, the general scheme of development and ways of implementing the company's development strategy

Topic 11. Projects of the concept of sustainable development of Ukraine: the possibility of their improvement and application

The new paradigm of the development of society, called "sustainable development", a list of tasks for the sustainable development of the country in accordance with national priorities

Topic 12. Formation of the holarchy of the management mechanism for sustainable organizational development of the enterprise

The concept of holon, cluster models, the use of the holarchic representation of a cluster as a basis for organizing the management of its sustainable development.

Topic 13. Development of organizational support for planning structural changes at the enterprise

Planning of structural changes at the enterprise.

Topic 14. A methodical approach to assessing the radicalness of organizational transformations, countering organizational transformations, and justifying the choice of means of countering internal resistance to change.

Ways of counteracting intra-organizational resistance within the system of organizational change planning.

Topic 15. Assessments of the effectiveness of implementing structural changes in intra-economic relations of the company's divisions.

Indicators of assessing the effectiveness of structural changes at the enterprise

Topic 16. Sequences of choosing the optimal variant of structural changes.

Topics of the workshops

Topic 1. Practical aspects of the concept of sustainable development

Consideration of issues of a global nature at a meeting of the United Nations.

Topic 2. Business game "Public hearings on issues of sustainable community development"

Solving global issues regarding sustainable development.

Topic 3. Retrospective analysis of the concept of sustainable development

The history of the formation of the concept of sustainable development in international normative documents, sustainable development in Ukraine: the history of formation.

Topic 4. PEST analysis of a sustainable enterprise

The concept of PEST analysis, the history of its origin.

Topic 5. SWOT analysis of a sustainable enterprise

SWOT analysis, compilation examples.

Topic 6. Comparative characteristics of the missions of sustainable enterprises

The mission of a sustainable enterprise.

Topic 7. Creation of a long-term sustainable development plan

Develop a strategic plan for the development of tourism in one of the regions of Ukraine.

Topic 8. Monitoring the progress of sustainable development plans

The next stage of the sustainable development management process is the establishment of criteria for the success of the implementation of the Concept of sustainable development of the state. Monitor changes in indicators using Shuchard's control charts.

Topics of the laboratory classes

Laboratory work is not included in the course

Self-study

The course involves the completion of an individual task in the form of writing an essay, which consists of two parts: theoretical and practical. The abstract is drawn up in a written report. Students are also recommended additional materials (videos, articles) for independent study and analysis.

Course materials and recommended reading

Basic literature:

1. Kaveh Ostad-Ali-Askari, Hossein Gholami, Morteza Soltani. Sustainable Development: Basic Concepts and Fundamentals. 2021. 112 p.
2. Strategy of sustainable development of Ukraine until 2020. [Electronic resource] / Verkhovna Rada of Ukraine. – Access mode: <http://www.uazakon.com> – legislative and normative acts of Ukraine.
3. Tourism development strategy until 2026 [Electronic resource] // Verkhovna Rada of Ukraine. – Access mode: <http://www.uazakon.com> – legislative and normative acts of Ukraine.
5. Rafal Baum. Sustainable development – a modern understanding of the concept. Annals PAAAE. 2021 Vol. XXIII. No. (2). P. 21.
6. Parkash Chander, Euston Quah. Sustainable Development. 2021. 320 p.

Additional literature:

1. Draft Law of Ukraine dated August 7, 2018 No. 9015 (Received by the Verkhovna Rada of Ukraine) On the Strategy of Sustainable Development of Ukraine until 2030. Access mode: <https://ips.ligazakon.net/document/JH6YF00A>
2. "Projects of the concept of sustainable development of Ukraine: the possibility of their improvement and application". Analytical note. Access mode: <https://niss.gov.ua/doslidzhennya/nacionalna-bezpeka/proekti-koncepcii-stalogo-rozvitku-ukraini-mozhlyvist-ikh>
3. Strategy of sustainable development of Ukraine until 2030. Access mode: https://www.undp.org/sites/g/files/zskgke326/files/migration/ua/UNDP_Strategy_v06-optimized.pdf
4. K. Muralidharan. Sustainable Development and Quality of Life. Springer. 2021. 372 p.

Assessment and grading

Criteria for assessment of student performance, and the final score structure

The final grade for this course is composed of two main components: final assessment (30%) and continuous assessment (70%).

Final assessment includes individual assignment report, and responses to open questions at the final interview.

Continuous assessment includes thematic tests; workshops' activities engagement; and completion of ongoing assignments.

Grading scale

Total points	National	ECTS
90-100	Excellent	A
82-89	Good	B
75-81	Good	C
64-74	Satisfactory	D
60-63	Satisfactory	E
35-59	Unsatisfactory (requires additional learning)	FX
1-34	Unsatisfactory (requires repetition of the course)	F

Norms of academic integrity and course policy

The student must adhere to the Code of Ethics of Academic Relations and Integrity of NTU "KhPI": to demonstrate discipline, good manners, kindness, honesty, and responsibility. Conflict situations should be openly discussed in academic groups with a lecturer, and if it is impossible to resolve the conflict, they should be brought to the attention of the Institute's management.

Regulatory and legal documents related to the implementation of the principles of academic integrity at NTU "KhPI" are available on the website: <http://blogs.kpi.kharkov.ua/v2/nv/akademichna-dobrochesnist/>

Approval

Approved by



Head of the department
Olena PROKHORENKO

August 28, 2024

Guarantor of the educational
program



Pavlo BRIN

August 28, 2024