

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
SUMY NATIONAL AGRARIAN UNIVERSITY**

**Department of Management named by Professor L.I. Mykhailova
Faculty of Economics and Management**

MODULE SYLLABUS

**Management of sustainable development
status is mandatory**

It is implemented within the educational program «Management»
(name)

in the specialty 073 «Management»
(code, name)

Qualification: at the first (bachelor) level of higher education

Sumy

Developer:  **Stoyanets Nataliya** d.e.s., professor Management Department named after Prof. L.I. Mykhailova meeting

Module syllabus agreed at the Minutes dated June 18, 2024 № 17
Management Department named
after Prof. L.I. Mykhailova meeting

 (name of the department) Head of Department  **Alvina ORIEKHOVA**
 (last name, first name)

Approved by:

Guarantor of the educational program  **Stoyanets Nataliya**

1. MODULE OVERVIEW

1. 1. LEARNING RESULTS UNDER THE EDUCATIONAL

1.	Title	Management of sustainable development			
2.	Faculty/Department	Faculty of Economics and Management/ Management Department named by Professor L.I. Mykhailova			
3.	Type	selective			
4.	Program(s) to which module is attached	Educational and professional program "Management" in specialty 073 "Management"			
5.	Module can be suggested for (to be filled in for optional types)	8			
6.	Level of the National Qualifications Framework	National framework of qualifications of Ukraine – level 6, FQ-EHEA – first cycle, EQF-LLL – Level 6.			
7.	Semester and duration of module	8 semester, 18 weeks			
8.	ECTS credits number	3			
9.	Total workload and time allotment	Directed study			Self-directed study
		Lectures	Practicals	Labs	
		16	14		60
10.	Language of instruction	English			
11.	Module leader	Stoyanets Nataliya – D. of E.S., Professor, Professor at the Management Department Hours of consultations - every Tuesday at 12.15, room 303 e			
12.	Module leader contact information	Natalystoyanez@gmail.com			
13.	Module description	In accordance with the development strategy of SNAU, the educational component will ensure the formation of special knowledge among future specialists in the agricultural sector, the acquisition of practical skills and abilities using a systematic approach and taking into account the consequences of activities on the environment and quality of life. The overall result will be progress and advancement of society on the path of sustainable development, ensuring safe living conditions for future generations, preserving natural resources and minimizing negative impacts on the environment.international standards of sustainable development.			
14.	Module aim	Formation of future specialists in systematic theoretical knowledge and practical skills regarding the implementation of principles and methods of sustainable development management in enterprise management.			
15.	Module Dependencies (prerequisites, co-requisites, incompatible modules)	There are no special conditions			
16.	The policy of academic integrity	Adherence to the principles of the academic integrity policy is implemented based on the provisions of the "Code of Academic Integrity of the Sumy NAU" https://snau.edu.ua/viddil-zabezpechennya-yakosti-osviti/zabezpechennya-yakosti-osviti/akademichna-dobrochesnist/). Write-off - the assignment is not counted. The use of prohibited means during control means - the answer is not counted. Plagiarism - the assignment is not counted.			
17.	Link in Moodle	https://cdn.snau.edu.ua/moodle/course/view.php?id=5872			

LEARNING OUTCOMES BY EDUCATIONAL COMPONENT AND THEIR RELATIONSHIP WITH PROGRAM LEARNING OUTCOMES

Learning outcomes for EC:	Program learning outcomes that the EC aims to achieve			How is it rated?
	PLO ₁	PLO ₁₉	PLO ₂₀	
After studying EC, the student is expected to be able to...				
ALO 1. Understand the fundamental principles of sustainable development and the concept of sustainable production and sustainable consumption in various spheres of economic activity. Understand the challenges of globalization and the conceptual essence of sustainable development.	X			Multiple-choice tests, writing essays in oral format
ALO 2. Analyze and structure the achievement of the Sustainable Development Goals by 2030, the main concepts, indicators and indicators of sustainable development. Foreign experience of sustainable development and basic theories of sustainable development.	X		X	Presentation preparation,
ALO 3. Characterize the economic, environmental and social components of the sustainable development model through external and internal environmental factors.	X	X		Multiple-choice tests, writing essays in oral format
ALO 4. Assess the progress of achieving sustainable development goals in the context of a green economy and the sustainable development policy of Ukraine based on a green economy. Identify the causes of conflicts regarding environmental aggression	X			Writing theses for participation in the conference

. MODULE INDICATIVE CONTENT

Autumn semester

Topic. List of issues to be considered within the topic	Distribution of hours			Learning resources
	Directed study			
	Lectures	Practicals	Lectures	
Topic 1. Course objectives and tasks. Basic definitions. Course subject and tasks. Management of sustainable development as an academic discipline. Conceptual approaches to defining the categories of "sustainable development". History of the concept of sustainable development.	2	2	10	Main 1-3 Additional literature: 1-14
Topic 2. Globalization challenges and the conceptual essence of sustainable development. Cyclical crisis and turbulence of the global financial environment The impact of the growth of	2	2	10	Main 1-3 Additional literature: 1-14

transnational corporations on globalization. Conceptual and empirical principles of the fragmentation of geoeconomic space				
Topic 3. The essence of the concept of sustainable development The main idea, goal and features of sustainable development. Stages of emergence and formation of the concept of balanced development. Factors of the external and internal environment.	2	2	10	Main 1-3 Additional literature: 1-14
Topic 4. Principles of sustainable development. Sustainable development goals by 2030. Concepts, indicators and indicators of sustainable development.	2	2	10	Main 1-3 Additional literature: 1-14
Topic 5. The economic component of sustainable development History of economic growth on the planet. The economic component of the sustainable development model. Methods and tools of economic management of sustainable development.	2	2	10	Main 1-3 Additional literature: 1-14
Topic 6. Social component of sustainable development. Human potential development and social values of sustainable development. Methods and tools for achieving social justice in sustainable development management. The concept of sustainable production and consumption.	2	2	10	Main 1-3 Additional literature: 1-14
Topic 7. Environmental component of sustainable development. The limits of the planet's natural resources. The environmental component of the sustainable development model	2	2	10	Main 1-3 Additional literature: 1-14
Topic 8. Assessment of sustainable development in countries around the world Foreign experience of sustainable development. Theories of sustainable development	-	-	10	Main 1-3 Additional literature: 1-14
Topic 9. The concept of green economy. Progress in achieving sustainable development goals in the context of a green economy. European Green Deal EUGreenDeal. Sustainable Development Policy of Ukraine on the Basis of Green Economy	-	-	10	Main 1-3 Additional literature: 1-14
Topic 10. Environmental Aggression Political Conflicts Regarding Environmental Aggression. Subjects and Main Causes of Environmental Conflicts. Main Groups of Environmental Conflicts. Socio-Ecological Conflicts.	-	-	10	Main 1-3 Additional literature: 1-14
In total	14	16	120	

4. TEACHING AND LEARNING METHODS

MLOs	Teaching methods (directed study)	Hours	Learning methods (self-directed study)	Hours
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MLOs 1. Understand the fundamental principles of sustainable development and the concept of sustainable production and sustainable consumption in various spheres of economic activity. Use the theoretical base and knowledge for effective management of sustainable development of enterprises.	Lecture, practical occupation, discussion relevant issues	8	Development of theoretical material, preparation of presentations	30
MLOs 2. Establish values, vision, mission, goals and criteria by which the organization determines further directions of development, develop and implement appropriate strategies and plans.	Lecture, practical session, discussion of current issues	8	Independent work with the textbook, performance of individual tasks	30
MLOs 3. Analyze and structure the problems of the enterprise, make effective management decisions and ensure their implementation.	Lecture, practical session, discussion, presentation	8	Development of theoretical material, preparation of presentations	30
MLOs4. Solve complex specialized tasks and practical problems in the field of management, which are characterized by complexity and uncertainty of conditions.	Lecture, practical session, discussion, analysis of specific situations	6	Development of theoretical material, preparation of presentations	30

5. ASSESSMENT

5.2. Summative assessment

5.2.1. Intended learning outcomes methods:

№	Summative assessment methods	Grades	Deadline
1	Module 1 – multiple choice test	40 points /40 %	According to the approved schedule
2	Module 2 – multiple choice test	30points /30%	According to the approved schedule
4	Presentation preparation	15 points /15 %	According to the approved schedule
6	Multiple choice test	15 points /15 %	At 15 weeks

5.1.1. Grading criteria

Summative assessment method	Unsatisfactory	Satisfactory	Good	Excellent
Multiple choice test	<20 points	20-25 points	25-30 points	31-40 points
	Less than 60% of correct answers	60% - 74% of correct answers	75% - 89% correct answers	90-100% correct answers
Multiple choice test	<10 points	10-14 points	15-20 points	21-30 points
	Less than 60% of correct answers	60% - 74% of correct answers	75% - 89% correct answers	90-100% correct answers
Presentation preparation	<9 points	9 – 10 points	11- 13 points	14 – 15 points
	Task requirements not met	Present research results in different ways	Present research results in an appropriate	Present research results in a way that is most appropriate in certain

			format	circumstances, using different forms of information presentation
Multiple choice test	<9 points	9 – 10 points	11- 13 points	14 – 15 points
	Less than 60% of correct answers	60% - 74% of correct answers	75% - 89% correct answers	90-100% correct answers

Formative assessment

Formative exercises are designed to enable students to develop particular aspects of their learning, prior to summative assessments. Formative exercises are designed to help students use feedback and self-reflection to manage and develop their learning so that they can see how to improve their work.

№	Formative Assessment elements	Date
1	Testing in Google Forms, Kahoot, Quizizz	At each practical lesson (introductory control)
2	Oral feedback from the teacher and students on the implementation of individual calculation and analytical tasks	For 5 weeks
3	Oral feedback from the teacher and students on the performance of an individual task on the main types of empirical social research	For 10 weeks
4	Oral feedback from the teacher and students on the implementation of the individual task of choosing sociometric criteria	For 15 weeks
5	Oral feedback from the teacher and students on the project implementation (preparation, presentation, defense)	For 18 weeks

5.3. The grading scale in effect at the University:

The sum of points for all types of educational activities	Evaluation on a national scale	
	For the exam, course project (work), practice, qualification work	for credit
90 – 100	perfectly	counted
82-89	fine	
75-81		
69-74		
60-68	satisfactorily	not counted with the possibility of retaking
35-59	unsatisfactory with the possibility of reassembly	
0-34	unsatisfactory with mandatory re-study of the discipline	not credited with mandatory repeated study of the discipline

6. LEARNING RESOURCES

6.1.1. Textbooks/manuals

1. Bardo Fraunholtz, Jürgen Jung. Masterclass Enterprise Architecture Management. Publisher: Springer 2021. 650 P.
2. Steve Brown. The Innovation Ultimatum: How six strategic technologies will reshape every business in the 2020s. Publisher: Wiley. 2020. 320 p. URL: <https://content.e-bookshelf.de/media/reading/L-13657858-7bdd788fbe.pdf> (accessed 04 July 2023).
3. Dorling Kindersley. Management of people. The book Publishing house: Random House. 2021 675p.

Additional literature

1. Sustainable Development Policy: EU Countries Experience / collective monograph] Edited by N.V. Stoyanets. Warsaw: RS Global Sp. z O. O., 2022. – 187 p.: DOI: <https://doi.org/10.31435/rsglobal/049>
2. Aleksii Lyulyov, Tetyana Pimonenko, Natalia Stoyanets, Nataliia Letunovska. Sustainable Development of Agricultural Sector: Democratic Profile. Impact Among Developing Countries. *Research in World Economy* Vol. 10, No. 4; Special Issue. 2019 P. 97-105.
3. Icon Sandra Ricart Casadevall Sustainable development: Meaning, history, principles, pillars, and implications for human action: Literature review Justice Mensah, (2019) <https://doi.org/10.1080/23311886.2019.1653531>
4. Yamaguchi, N.U., Bernardino, E.G., Ferreira, M.E.C. et al. Sustainable development goals: a bibliometric analysis of literature reviews. *Environ Sci Pollut Res* 30, 5502–5515 (2023). <https://doi.org/10.1007/s11356-022-24379-6>
5. Patricia Ikouta Mazza Concepts of Sustainable Development; a Literature Review and a Systematic Framework for Connecting the Role of Education with the Sustainable Development Goals (SDGs). *International Journal of Humanities Social Sciences and Education (IJHSSE)* V. 8, Issue 8, 2021, PP 106-112 <https://doi.org/10.20431/2349-0381.0808009>
6. García-García, A.R.; Jacobo-Hernández, C.A.; Ochoa-Jiménez, S.; Valdez-del Río, S. Sustainable Development and Tourism: A Review of the Literature in WoS from 2001 to 2020. *Sustainability* 2023, 15, 16805. <https://doi.org/10.3390/su152416805>
7. Supriaman. Green Economy: Sistematic Literatur Review *International Journal of Finance and Business Management (IJFBM)* Vol. 2 No. 1, 2024: 45 - 62 45 (DOI: <https://doi.org/10.59890/ijfbm.v2i1.1293> <https://journal.multitechpublisher.com/index.php/ijfbm/index>
8. Alsmadi, A. A., & Alzoubi, M. (2022). Green Economy: Bibliometric Analysis Approach. *International Journal of Energy Economics and Policy*, 12(2), 282–289. <https://doi.org/10.32479/ijeep.12758>
9. Mentés, M. (2024). Sustainable development economy and the development of green economy in the European Union. *Energy, Sustainability and Society*, 13(1), 1–18. <https://doi.org/10.1186/s13705-023-00410-7>
10. Aleksii Lyulyov, Tetyana Pimonenko, Natalia Stoyanets, Nataliia Letunovska. Sustainable Development of Agricultural Sector: Democratic Profile. Impact Among Developing Countries. *Research in World Economy* Vol. 10, No. 4; Special Issue, 2019 SCOPUS <https://www.sciedu.ca/journal/index.php/rwe/article/view/16908>
11. Alina Vysochyna Natalia Stoyanets Grzegorz Mentel Tadeusz Olejarz, Environmental Determinants of a Country's Food Security in Short-Term and Long-Term Perspectives, *Sustainability*, MDPI, Open Access Journal, vol. 12(10), pages 1-15, May.2020 SCOPUS <https://www.mdpi.com/2071-1050/12/10/4090>
12. Olena Chygryn, Anna Rosokhata, Olena Rybina, Stoyanets Nataliya Green competitiveness: the evolution of concept formation *The International Conference on Innovation, Modern Applied Science & Environmental Studies (ICIES2020)* Kenitra, Morocco, December 25-27, 2020 https://www.e3s-conferences.org/articles/e3sconf/abs/2021/10/e3sconf_icies2020_00004/e3sconf
13. . Tambovceva, T., Ivanov, I.H., Lyulyov, O., .Stoyanets, N., Yanishevskaya, K. Food security and green economy: Impact of institutional drivers *International Journal of Global Environmental Issues*, 2020, 19(1-3), p. 158–176

<https://www.inderscience.com/info/inarticle.php?artid=114871doi:10.1504/IJGENVI.2020.114871>

6.3. Software

1. Web 2.0 type software: Google Cloud & Docs – for providing methodical materials, communication with students, performing individual tasks and posting tasks.
2. Moodle 3.11 distance learning system software - for the organization of distance learning of students (access to educational and methodical materials, communication with the teacher, implementation of various types of evaluation).
3. Software by Zoom Video Communications, Inc. v. 5.6.1 – to organize training through video communication (if necessary).
4. Microsoft Office Excel software – for creating educational materials.

International specialized search engines

<http://info.studyweb.com> – a specialized search system for educational resources

<http://infomine.ucr.edu> – a virtual library of electronic publications

http://searchenginewatch.com/links/Specialty_Search_Engines – a directory of specialized search engines

<http://www.sciseek.com> – search for scientific information Ukrainian specialized search systems

<http://meta-ukraine.com/> Meta is a Ukrainian search engine with a wide search system for various topics, including a selection of electronic dictionaries.

English-language search engines

<http://www.yahoo.com/> - an English-language search engine with the most developed structure of catalogs and various services. Hundreds of thousands of different Internet resources are manually sorted by 14 main headings, each of which has several subheadings with narrower topics.

<http://www.lycos.com/> - Lycos includes a huge database with more than 66 million URLs. This search engine (in English) contains a variety of interesting information, including news, node reviews, links to popular nodes, city maps, as well as tools for finding addresses of different people and searching for web images and sound clips.