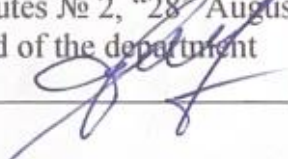


**NATIONAL UNIVERSITY OF LIFE AND ENVIRONMENTAL SCIENCES
OF UKRAINE**

Department Production and Investment Management

**«CONFIRMED»**
Dean of the Faculty of Agricultural Management
Anatolii OSTAPCHUK
“30” August 2024

“APPROVED”
at the meeting of the department of Production
and Investment Management
Minutes № 2, “28” August 2024
Head of the department


Tetiana VLASENKO

“REVIEWED”
Program Coordinator

Vira BUTENKO

**PROGRAM OF THE COURSE
OPERATIONAL MANAGEMENT**

Field of Study 07 Management and Administration
Specialty 073 «Management»
Academic program Management

Faculty Agricultural Management
Lecturer: Alekseieva K.A., PhD (Public Administration), As. Professor
of Production and Investment Management Department

Kyiv – 2024

Description of the course “Operational Management”

Field of Study, Specialty, Academic program, Academic degree		
Academic degree	Bachelor	
Field of Study	07 Management and Administration	
Specialty	073 «Management»	
Academic Program	Management	
Characteristics of the course		
Type	Core	
Total number of hours	120	
Number of ECTS credits	4	
Number of content modules	2	
Term paper/Project paper	+	
Form of assessment	Exam	
Indicators of the course for full-time and part-time forms of study		
	Full-time study	Part-time study
Year of study	3	-
Semester	6	-
Lecture classes	30	-
Seminars	30	-
Laboratory	-	-
Self-study	60 hours	-
Individual assignments	- hours	-
Hours per week (full-time program)	4 hours	

1. Purpose, tasks and competencies program outcomes of the course

The purpose of the course is to master a set of knowledge about production and its organization, operating systems and their operation; formation in the future managers' ability to develop operational strategy, create and use industry operating systems as a basis for ensuring the achievement of the organization's mission.

Tasks of the course include studying of theoretical and methodological bases, categorical apparatus operational management, mastering the basic features, principles and methods of operations, operating systems of various types, gaining knowledge on the development of operational strategy of the enterprise, possessing skills to justify the decision to create an operating room systems, support of the proper mode of its functioning and studying the basics of quality management and assurance product competitiveness;

Acquisition of competencies:

Integrated competency (IC): the ability to solve complex specialized problems and practical problems that are characterized by complexity and uncertainty of conditions, in the field of management or in the process training involving the application of theories and methods social and behavioral sciences.

General competencies (GC):

GC 4 Ability to apply knowledge in practical situations.

GC 5 Knowledge and understanding of the subject area and understanding professional activity.

Special (professional) competencies (SC):

SC 4 The ability to determine the functional areas of the organization and connections between them.

SC 5 Ability to manage the organization and its divisions through the implementation of management functions

SC 12 Ability to analyze and structure problems organizations, form informed decisions.

Program learning outcomes (PLO):

PLO 3 Demonstrate knowledge of management theories, methods and functions, and modern leadership concepts.

PLO 4 Demonstrate skills in identifying problems and substantiating managerial ones solutions

PLO 8. Apply management methods to ensure the effectiveness of activities of organization

2. Program and structure of the course for full-time and part-time forms of studying

Modules and topics	Week	Number of hours							
		Full-time form				Part-time form			
		total	including			total	including		
			l	p	self.		l	p	self.
1	2	3	4	5	6	7	8	9	10
MODULE 1 OPERATIONAL SYSTEM OF THE ORGANIZATION AND OPERATIONAL MANAGEMENT									
Topic 1. Operational management as a kind of functional	1	10	2	2	6	-	-	-	-
Topic 2. Operational strategy	2	10	2	2	6	-	-	-	-
Topic 3. Operational system of the organization: structural and process	3	10	2	2	6	-	-	-	-
Topic 4. Production process	4,5	14	4	4	6	-	-	-	-
Topic 5. Organization of basic production. Types of production	6,7	14	4	4	6	-	-	-	-
TOTAL FOR MODULE 1		58	14	14	30	-	-	-	-
MODULE 2 CURRENT OPERATIONAL MANAGEMENT SYSTEMS									
Topic 6. Production strategy and competitiveness of the enterprise	8,9	14	4	4	6	-	-	-	-
Topic 7. Planning and design of the operational process at the	10,11	14	4	4	6	-	-	-	-
Topic 8. Management of material resources	12,13	14	4	4	6	-	-	-	-
Topic 9. Product quality management	14	10	2	2	6	-	-	-	-

Topic 10. Operational performance management	15	12	2	2	6				
TOTAL FOR MODULE 2		62	16	16	30	-	-	-	-
TOTAL HOURS		120	30	30	60	-	-	-	-

3. Topics of seminar (practical, laboratory) classes

№	Topic title	Number of hours
1	Topic 1. Operational management as a kind of functional management	2
2	Topic 2. Operational strategy	2
3	Topic 3 Operational system of the organization: structural and process characteristics	2
4	Topic 4. Production process	4
5	Topic 5. Organization of basic production. Types of production	4
6	Topic 6. Production strategy and competitiveness of the enterprise	4
7	Topic 7. Planning and design of the operational process at the enterprise	4
8	Topic 8. Management of material resources	4
9	Topic 9. Product quality management	2
10	Topic 10. Operational performance management	2
Total:		30

4. Self-study work topics

№	Topic title	Hours
1	Topic 1. Operational management as a kind of functional management	6
2	Topic 2. Operational strategy	6
3	Topic 3 Operational system of the organization: structural and process characteristics	6
4	Topic 4. Production process	6

5	Topic 5. Organization of basic production. Types of production	6
6	Topic 6. Production strategy and competitiveness of the enterprise	6
7	Topic 7. Planning and design of the operational process at the enterprise	6
8	Topic 8. Management of material resources	6
9	Topic 9. Product quality management	6
10	Topic 10. Operational performance management	6
Total:		60

5. Diagnostic tools for learning outcomes

- Exam;
- Term paper;
- Module tests

6. Methods of teaching

Methods of teaching are methods of joint activity and communication between the teacher and students of higher education, which ensure the development of positive motivation for learning, mastery of the system of professional knowledge, skills and abilities, the formation of a scientific worldview, the development of cognitive powers, the culture of mental work of future specialists.

The following teaching methods are used during the educational process:

- verbal method (lecture, discussion, interview);
- practical method (practical classes);
- visual method (illustration method, demonstration method);
- work with educational and methodical literature (summarizing, summarizing, annotating, reviewing, writing an abstract);
- video method (remote, multimedia, web-oriented, etc.);
- independent work (task performance);
- individual research work of students of higher education.

7. Assessment methods

- exam;
- oral or written survey;
- module testing;
- presentations and speeches at scientific and practical events.

8. Distribution of grades received by applicants of higher education

Assessment of student knowledge is on a 100-point scale and is translated into national assessments according to “Regulations on examinations and tests in NUBiP of Ukraine” (order of entry into force of 26.04.2023 Protocol № 10)

Student rating, points	National grade based on exam results	
	Exams	Credits
90-100	Excellent	Passed
74-89	Good	
60-73	Satisfactory	
0-59	Unsatisfactory	Not passed

In order to determine the rating of a student (listener) in the discipline R_{dis} (up to 100 points), the rating from the exam R_{ex} (up to 30 points) is added to the rating of a student's academic work R_{aw} (up to 70 points): $R_{dis} = R_{aw} + R_{ex}$.

9. Educational and methodological support

This work program of academic discipline, a summary of lectures, plans of seminars and practical classes, tasks for independent work, express control, tasks for final control, Elearn course by URL: <https://elearn.nubip.edu.ua/course/view.php?id=3815>

10. Recommended sources of information

1. Alekseieva K.A. Methodical instructions for preparing term papers in «Operational Management» (mandatory component of Educational Program 073 «Management») for students of the specialty 073 «Management» educational degree «Bachelor». Kyiv: NULES of Ukraine, 2023. 48 p. URL: https://nubip.edu.ua/sites/default/files/u317/2023_mi_opman_alekseieva.pdf

2. Alekseieva K.A., Vlasenko T.O. Educational and methodology guide to the educational practice «Operational management» for students of specialty 073 «Management», Academic Degree «Bachelor». Kyiv: NULES of Ukraine. Electronic edition. 2022. 110 p. URL: https://nubip.edu.ua/sites/default/files/u317/2022_npm_om_navchalna_praktika_angl.pdf

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4. Graves, S. C. (2021). Reflections on the evolution of operations management. *Management Science*, 67(9), 5379–5388. <https://doi.org/10.1287/mnsc.2020.3802>

5. Project management: study guide for students of the specialty 073 "Management". L.V. Shynkaruk, M.M. Dielini, K.A. Alekseieva, T.O. Artiukh, A.V. Sukhanova. Kyiv: NULES Ukraine, 2023. 318 p.

6. Raid D. R., Sanders N. R.. Operations Management: An Integrated Approach, MEA Edition. 7th ed. Wiley. John Wiley & Sons, LTD. 2020. 656 p.

7. Rezaee, N., Zanjirchi, S. M., Jalilian, N., & Bamakan, S. M. H. (2023, September 1). Internet of things empowering operations management; A systematic review based on bibliometric and content analysis. Telematics and Informatics Reports. Elsevier B.V. <https://doi.org/10.1016/j.teler.2023.100096>

8. Shynkaruk L., Alekseieva K., Vlasenko T. Operational management. NULES of Ukraine. 2021. 244 p.

9. Vissers J., Elkhuizen S., Proudlove N. Operations Management for Healthcare. 2th ed. Taylor & Francis. 2022. 340 p.

10. Wolniak R. (2020). Main functions of operation management. Production Engineering Archives, 26(1), 11–14. <https://doi.org/10.30657/pea.2020.26.03>

11. Zhen L., Li H. (2022). A literature review of smart warehouse operations management. Frontiers of Engineering Management. Higher Education Press Limited Company. <https://doi.org/10.1007/s42524-021-0178-9>

12. Старченко Г.В., Калінько І.В., Косач І.А. Операційний менеджмент. навчальний посібник. К. : Вид-во «Кондор», 2020. 264 с.

13. Шинкарук Л.В., Деліні М.М., Суханова А.В., Алексеєва К.А. Управління бізнес-проектами: навчальний посібник зі спеціальності 073 "Менеджмент". Київ: НУБіП, 2021. 325 с.