



## ACADEMIC COURSE SYLLABUS "OPERATIONAL MANAGEMENT"

Degree of higher education - Bachelor

Specialty **073 Management**

Academic program "Management"

Academic year 3, semester 6

Form of study Full-time ( full-time, part-time)

Number of ECTS credits 4

Language of training English

Lecturer of the course

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Course page on eLearn

<https://elearn.nubip.edu.ua/course/view.php?id=3815>

### ACADEMIC COURSE DESCRIPTION

"Operational Management" is a core course.

The course is aimed at mastering knowledge on production and organization of production processes, operating systems of enterprises and operations which can be fulfilled there. For effective management of business entities theoretical training and acquisition of practical skills in operation management is crucial. Operation management is one of the basic functions of any enterprise. While possessing the discipline there is formation among students of the future managerial ability to develop operation strategy, create and use industry operating systems as a basis for ensuring the achievement of the organization's mission. The students master the basic features, principles and methods of operations, operating systems of various types, possess skills to justify the decisions to create an operating room system, support of the proper mode of its functioning.

#### 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 3 Ability to abstract thinking, analysis, synthesis;

GC 4 Ability to apply knowledge in practical situations.

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

GC 10 Ability to conduct research on the relevant levels

GC 11 Ability to adapt and act in a new situation

#### **Special (professional) competencies (SC):**

SC 1 Ability to identify and describe characteristics organizations

SC 2 The ability to analyze the results of the organization's activities, compare them with factors of external and internal influence environment

SC 3 The ability to determine the prospects of the organization's development

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 6 The ability to act socially responsibly and consciously.

SC 7 Ability to choose and use modern management tools.

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

SC 16 Ability to identify and analyze new market opportunities opportunities, including an international business environment, formulate new ideas, develop projects and organize business process management.

***Program learning outcomes (PLO):***

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

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

PLO 7 Demonstrate organizational project skills.

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

PLO 12. Assess the legal, social and economic consequences of the organization's functioning.

PLO 18 Demonstrate the ability to identify prospects for the development of the enterprise, develop projects, organize management of business processes based on analysis of market opportunities and international business environment.

### ACADEMIC COURSE STRUCTURE

Topic	Hours (lectures/ practical classes)	Learning outcomes	Tasks	Assessment
<b>MODULE 1 OPERATIONAL SYSTEM OF THE ORGANIZATION AND OPERATIONAL MANAGEMENT</b>				
Topic 1. Operational management as a kind of functional management	2/2	To know the essence of the concept of operational management	Execution and delivery of practical, independent works in elearn	PW – 4 grades SW – 4 grades
Topic 2. Operational strategy	2/2	To determine the operational strategy	Execution and delivery of practical, independent works in elearn	PW – 4 grades SW – 4 grades
Topic 3. Operational system of the organization: structural and process characteristics	2/2	To define the operational system of the organization: structural and process characteristics	Execution and delivery of practical, independent works in elearn	PW – 4 grades SW – 4 grades
Topic 4. Production process	4/4	To analyze production process	Execution and delivery of practical, independent works in elearn	PW – 4 grades SW – 4 grades
Topic 5. Organization of basic production. Types of production	4/4	To understand the process of Organization of basic production.	Execution and delivery of practical, independent works in elearn	PW – 4 grades SW – 4 grades
<b>MODULE 2 CURRENT OPERATIONAL MANAGEMENT SYSTEMS</b>				
Topic 6. Production strategy and competitiveness of the enterprise	4/4	To form the production strategy	Execution and delivery of practical, independent works in elearn	PW – 4 grades SW – 4 grades
Topic 7. Planning and design of the operational process at the enterprise	4/4	To carry out planning of the operational process	Execution and delivery of practical, independent works in elearn	PW – 4 grades SW – 4 grades
Topic 8. Management of material resources	4/4	To manage material resources	Execution and delivery of practical, independent works in elearn	PW – 2 grades SW – 2 grades
Topic 9. Product quality management	2/2	To provide product quality management at the enterprise	Execution and delivery of practical,	PW – 2 grades SW – 2 grades

			independent works in elearn	
Topic 10. Operational performance management	2/2	To provide operational performance management	Execution and delivery of practical, independent works in elearn	PW – 4 grades SW – 2 grades
Total for the term				70
Opportunity to get extra points	Additional points can be achieved for presentation and participation in a student conference, article publication, participation in the 1st round of the olympiads, etc.			up to 10
Exam				30
Total for the course				100

### ASSESSMENT POLICY

<b><i>Policy regarding deadlines and resits</i></b>	Assignments submitted after the deadline without valid reasons will be graded lower. Resitting of modules will be allowed with the permission from the lecturer and in the presence of valid reasons (e.g. medical reasons)
<b><i>Academic honesty policy</i></b>	Cheating during tests and exams is strictly prohibited (including the use of mobile devices). Coursework and research papers must contain correct citations for all sources used
<b><i>Attendance policy</i></b>	Class attendance is mandatory. In case of objective reasons (such as illness or international internships), individual learning may be allowed (in online format by the approval of the dean of the faculty).

### SCALE OF ASSESSMENT OF APPLICANTS OF HIGHER EDUCATION

Student rating, points	National grade based on exam results	
	exams	credits
90-100	excellent	credited
74-89	good	
60-73	satisfactory	
0-59	unsatisfactory	not credited

### 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](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](https://nubip.edu.ua/sites/default/files/u317/2022_npm_om_navchalna_praktika_angl.pdf)
3. Atasu A., Corbett C. J., Huang X., & Beril Toktay L. (2020). Sustainable operations management through the perspective of manufacturing & service operations management. *Manufacturing and Service Operations Management*, 22(1), 146–157. <https://doi.org/10.1287/msom.2019.0804>
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., Elkhuisen 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., Алексеева К.А. Управління бізнес-проектами: навчальний посібник зі спеціальності 073 "Менеджмент". Київ: НУБіП, 2021. 325 с.