

BUNIN YELETS STATE UNIVERSITY

THE DISCIPLINE'S WORK PROGRAM
B1.V.01.07 Organization of production

Course of study: 38.03.02 Management

Orientation (profile): Organization management and logistics

Qualification (degree): Bachelor's degree

Form of study: full-time

Institute: Economics, Management and service technologies

Department of Economics and Management named after N.G. Nechaev

	full-time form	full-time and part -time education	correspondence form
Course	34		
Semester/trimester	67		

Lectures	64		
including practical training	4		
Laboratory classes			
Practical (seminar) classes	64		
including practical training	4		
Consultations			
Forms of intermediate certification	test exam-0,3		
Control	9		
Other forms of work			
Independent work	150,7		

Total hours: 288

Labor intensity: 8 credits

Developer of the work program: Candidate of Pedagogical Sciences,
senior lecturer T. A. Shabalina

I. ORGANIZATIONAL AND METHODOLOGICAL SECTION

The purpose of studying the discipline: the formation of students' professional competencies that ensure the effective solution of professional tasks, the study of the theory and practice of production organization, management of various resources, the mechanism of distribution of functions, powers and responsibilities between performers.

Objectives of the discipline:

- ☐ study of the fundamentals, patterns and mechanisms of production organization in a competitive environment;
- ☐ study of the mechanism of production organization, taking into account their economic efficiency;
- acquisition of skills in choosing and substantiating the principles, forms and methods of production organization, assessment of the economic efficiency of production systems;
- acquiring skills to find reserves for increasing the effectiveness of the organization.

The place of the discipline in the structure of the OPOP: it is implemented within the framework of the part

formed by the participants in educational relations, block B1.

Disciplines (modules).

Planned learning outcomes in the discipline:

Код компетенции	Индикаторы достижения компетенций	Планируемые результаты обучения по дисциплине
PCS -1	To know: <ul style="list-style-type: none">– typical methods and methods of performing professional tasks in the field of production planning and organization;– fundamentals of using modern management approaches.	Knows: <ul style="list-style-type: none">- the main ways to solve professional problems in the field of planning and organization of production;– Modern management approaches.
	Be able to: <ul style="list-style-type: none">– to apply in practice methods and methods of solving problems in the field of planning, organization of production using modern management approaches;– to use modern management approaches in solving professional tasks in various fields of economic activity.	Can: <ul style="list-style-type: none">- to use in practice ways of solving problems in the field of planning, production organization, focusing on modern management;– <input type="checkbox"/> apply modern management approaches to solving professional tasks in various fields of activity
	Own: <ul style="list-style-type: none">– - skills in applying standard methods and methods of performing professional tasks in the field of planning, production organization, and modern management.	Possesses: <ul style="list-style-type: none">– the skills of using standard methods and methods of solving professional problems in the field of planning, production organization, modern management.

II. CONTENT AND SCOPE OF THE DISCIPLINE
indicating the number of hours allocated for students' contact work
with a teacher (by type of training) and for independent work

Full-time education

4	Naming of sections and topics	Total	Classroom classes			Independent work
			ЛК	ПЗ	ЛБ	
1	Section 1. The concept of "Organization of production".	72	28	28		16
2	Topic 1. The system of categories of production organization.	11	4	4		3
3	Topic 2. Production cycle	15	6	6		3
4	Topic 3. Manufacturing enterprise	11	4	4		3
5	Topic 4. Organization of technical preparation of production .	20	8	8		4
6	Topic 5. Organization of on-line production.	15	6	6		3
7	<i>Control</i>					
8	<i>The form of intermediate certification</i>	<i>test</i>				
9	Total for the 6th semester	72	28	28		16
	<i>including practical training</i>	<i>4</i>	<i>2</i>	<i>2</i>		
10	Section 2. Features of the organization of production at various sites	206,7	36	36		134,7
11	Topic 6. Pre-production planning .	26,7	4	4		18,7
12	Topic 7. Operational planning in the organization of the main production	44	10	10		24
13	Topic 8. Organization of labor at a machine-building enterprise	32	6	6		20
14	Topic 9. Product quality control at the enterprise	28	4	4		20
15	Topic 10. Organization of repair facilities at the enterprise	32	6	6		20
16	Topic 11. Features of the organization of the energy sector of the enterprise	18	2	2		14
17	Topic 12. Organization of transport facilities at the enterprise	26	4	4		18
18	<i>Control</i>	9				
19	<i>The form of intermediate certification</i>	<i>Экзамен-0,3</i>				
20	ИФР					
21	Total for the 7th semester	216	36	36		134,7
	<i>including practical training</i>	<i>4</i>	<i>2</i>	<i>2</i>		

22	total :	288	64	64		150,7
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Full-time and part-time education is not being implemented
Correspondence education is not being implemented

III. EVALUATION MATERIALS FOR THE ONGOING AND INTERMEDIATE CERTIFICATION OF STUDENTS IN THE DISCIPLINE

The current certification is carried out in the form of a test paper (in test form), an abstract.

A typical version of the test

Choose one answer option:

Task number 1:

What is meant by the organization of production?

- a) coordination in the space of all materials and labor elements of production in order to achieve the highest production result at the lowest cost in a certain period of time;
- b) time optimization of all material and labor elements of production in order to achieve the highest production result with the lowest cost in a certain period of time;
- c) spatial coordination of all material and time optimization of all labor elements of production in order to achieve the highest production result at the lowest cost in a certain period of time;
- d) coordination and optimization in time and space of all material and labor elements of production in order to achieve the highest production result at the lowest cost in a certain period of time.

Task number 2:

What is the function of technology rather than the organization of production?

- a) rationalization of the production process in the space;
- b) minimizing the production process in time
- c) determining the types of machines for production;
- d) optimization of equipment loading.

Task number 3:

What is not a function of the organization of production?

- a) determining the optimal stock level;
- b) identification of "bottlenecks" in production;
- c) reducing the duration of the production cycle;
- d) increase in production volume.

Task number 4:

Which divisions make up the overall structure of the company?

- a) service facilities and side workshops, auxiliary and main workshops, management bodies, power supply unit, library, health center;
- b) main workshops, auxiliary workshops, service farms, side workshop,
- c) main workshops, service farms, auxiliary workshops, management bodies;
- d) service facilities, management bodies, power supply unit, library, health center.

Task number 5:

What divisions does the company's production structure include?

- a) service facilities and side workshops, auxiliary and main workshops, management bodies, power supply unit, library, health center;
- b) main workshops, auxiliary workshops, service farms, side workshop,
- c) main workshops, service farms, auxiliary workshops, management bodies;
- d) service facilities, management bodies, power supply unit, library, health center.

Task number 6:

What factor does not determine the production structure?

- a) the nature of the production process;
- b) the volume of output and the complexity of its manufacture;
- c) the degree of specialization of the enterprise;
- d) the composition and nature of the governing bodies.

Task No. 7:

With mixed structures, workshops are created:

- a) according to the principle of technological uniformity of the work performed;
- b) for individual alterations based on the manufacture by each of them of either a specific product or a part of it;
- c) procurement production is based on the principle of technological uniformity of the work performed, and processing and manufacturing are combined into subject-closed links.;
- d) procurement – according to the subject, and processing – according to the technological principle.

Task No. 8:

How are workshops created with a technological structure?

- a) according to the principle of technological uniformity of the work performed;
- b) for individual alterations based on the manufacture by each of them of either a specific product or a part of it;
- c) procurement production is based on the principle of technological uniformity of the work performed, and processing and manufacturing are combined into subject-closed links.;
- d) procurement – according to the subject, and processing – according to the technological principle.

Task No. 9:

How are workshops created with a subject structure?

- a) according to the principle of technological uniformity of the work performed;
- b) for individual alterations based on the manufacture by each of them of either a specific product or a part of it;
- c) procurement production is based on the principle of technological uniformity of the work performed, and processing and manufacturing are combined into subject-closed links.;
- d) procurement – according to the subject, and processing – according to the technological principle.

Task number 10:

Which workshop is not auxiliary?

- a) electrical repair;
- b) repair and mechanical;
- c) instrumental;
- d) procurement.

Task No. 11:

What divisions does the corps structure include?

- a) buildings, workshops, sites;
- b) workshops, sites;
- c) land plots;
- d) buildings, sections.

Task number 12:

What divisions does the shop structure include?

- a) buildings, workshops, sites;
- b) workshops, sites;
- c) land plots;
- d) buildings, sections.

Task number 13:

Which divisions does the shopless structure include?

- a) buildings, workshops, sites;
- b) workshops, sites;
- c) land plots;
- d) buildings, sections.

Task number 14:

Which workshop is not the main one?

- a) foundry;
- b) procurement;

- c) instrumental;
- d) mechanical.

Task number 15:

What type of production structure does not exist?

- a) technological;
- b) subject matter;
- c) mixed;
- d) universal.

Task number 16:

What is meant by the principle of continuity?

- a) reduction of all interruptions, both in the use of labor and technical resources, and in the promotion of labor items in the production process;
- b) equality of throughput capacities of all divisions of the enterprise (workshops, sites, workplaces) for the production of products defined by the tasks of the plan;
- c) simultaneous execution of individual parts of the production process, i.e. the creation of a wide range of work on the manufacture of this product;
- d) ensuring the shortest path for the product to pass through all stages and operations of the production process – from the start of production of raw materials to the release of finished products.

Task number 17:

What is meant by the principle of parallelism?

- a) reduction of all interruptions, both in the use of labor and technical resources, and in the promotion of labor items in the production process;
- b) equality of throughput capacities of all divisions of the enterprise (workshops, sites, workplaces) for the production of products defined by the tasks of the plan;
- c) simultaneous execution of individual parts of the production process, i.e. the creation of a wide range of work on the manufacture of this product;
- d) ensuring the shortest path for the product to pass through all stages and operations of the production process – from the start of production of raw materials to the release of finished products.

Task No. 18:

What is meant by the principle of straightness?

- a) reduction of all interruptions, both in the use of labor and technical resources, and in the promotion of labor items in the production process;
- b) equality of throughput capacities of all divisions of the enterprise (workshops, sites, workplaces) for the production of products defined by the tasks of the plan;
- c) simultaneous execution of individual parts of the production process, i.e. the creation of a wide range of work on the manufacture of this product;

d) ensuring the shortest path for the product to pass through all stages and operations of the production process – from the start of production of raw materials to the release of finished products.

Task number 19:

What is meant by the principle of proportionality?

- a) reduction of all interruptions, both in the use of labor and technical resources, and in the promotion of labor items in the production process;
- b) equality of throughput capacities of all divisions of the enterprise (workshops, sites, workplaces) for the production of products defined by the tasks of the plan;
- c) simultaneous execution of individual parts of the production process, i.e. the creation of a wide range of work on the manufacture of this product;
- d) ensuring the shortest path for the product to pass through all stages and operations of the production process – from the start of production of raw materials to the release of finished products.

Task number 20:

In what cases do jobs become idle when objects of labor move in parallel?

- a) due to the lying of objects of labor between operations;
- b) due to inter-shift bed rest;
- c) as a result of the piecemeal transfer of labor items from operation to operation;
- d) due to differences in the duration of operations.

Task No.22:

Find the appropriate definition of a parallel, sequential, parallel-sequential type of movement of objects of labor.

- a) when manufacturing a batch of parts, each subsequent operation begins only after the previous operation has been performed on the entire batch being processed;
- b) during the manufacture of a batch of parts, each part is transferred to a subsequent operation immediately after finishing processing in the previous operation;
- c) during the manufacture of a batch of parts, the subsequent operation begins before the end of processing the entire batch in the previous operation;
- d) during the manufacture of a batch of parts, the most complex part is highlighted, the movement of which from operation to operation is organized without decaying.

Task number 23:

What schedule is being developed to determine the overall production cycle for the manufacture of complex products with the time relationship of its individual elements (parts, assembly units, products)?

- a) cyclic;
- b) synchronized;

- c) parallel;
- d) consistent.

Task No. 24:

To characterize the methods of organization of batch, in-line and single production processes:

Sample essay topic

1. Organization of the work of the production site.
2. Organization of production in the assembly shop.
3. Design and implementation of progressive organization systems
4. Production.
5. Designing systems for the creation and development of new technology.
6. Designing product quality assurance systems.
7. Organization of maintenance and repair of equipment at the enterprise.
8. Organization of maintenance and repair of equipment in the workshop.
9. Organization and management of transportation services of production.
10. Organization and management of logistics
11. Production.
12. Design and organization of work on the production of new equipment.
13. Organization and maintenance of quality systems at the enterprise.
14. Designing workshops of the main production.
15. Managing the economic efficiency of improving the organization of production.
16. Design and organization of in-line production.
17. Organization of production processes and inter-shop cooperation.
18. Organization of production processes in various types of production.
19. Organization of planning at the enterprise.
20. Organization and management of the production site at the enterprise.
21. Designing models of production organization at the enterprise.
22. The formation and main stages of the development of the organization of production in Russia.
23. Current trends and ways to improve the organization of production at enterprises.
24. Organization of non-precision production methods.
25. Organization and management of automated production.
26. Organization of warehouse management.
27. Organization of R&D at the enterprise.
28. The effectiveness of accelerating the development of new technology production.
29. Organization of design preparation of production.
30. Organization of the energy sector.
31. Organization of production processes in space.
32. Organization of production processes in time.
33. The production process and the general principles of its organization.
34. Organization and management of sales and service.
35. Organization, rationing and remuneration of labor at the enterprise.
36. Organization of operational and production planning.

37. Organization of cost planning for production and cost of production.

Intermediate certification of students is carried out in the form of a test in the 6th semester and an exam in the 7th semester using the following assessment materials: a list of questions for the test, a list of questions for the exam.

Questions for the test (6th semester, full-time education)

1. 1. Basic concepts and definitions of production organization.
2. 2. Features of the organization of machine-building production.
3. 3. The product as a commodity in market demand. The product life cycle.
4. 4. The production process, its essence.
5. 5. Principles of the production process organization.
6. 6. The concept of production types, their general characteristics.
7. 7. Single production.
8. 8. Mass production.
9. 9. Serial production.
10. 10. Types of movements of objects of labor in production, their characteristics.
11. 11. Production capacity of enterprises, general characteristics.
12. 12. Calculation of the production capacity of the enterprise.
13. 13. The concept and organizational and legal forms of enterprises.
14. 14. Classification of engineering enterprises.
15. 15. Management functions of a mechanical engineering enterprise.
16. 16. Production structures of machine-building enterprises.
17. 17. Organizational structures of machine-building enterprises.
18. 18. Organization of scientific production preparation.
19. 19. Organization of design preparation of production.
20. 20. Standardization.
21. 21. Design unification.
22. 22. Technological preparation of production.
23. 23. The concept and signs of in-line production.
24. 24. Classification of on-line production.
25. 25. Features of the organization and calculation of the main parameters of production lines.
26. 26. Automation of on-line production.
27. 27. Features of the organization of non-in-line production.

Questions for the test (7th semester, full-time education)

1. Planning of technical preparation of production.
2. Network method of planning and management.
3. Content, tasks and functions of operational production planning.
4. The relationship between operational, production and technical and economic planning.
5. The system of standards for the movement of objects of labor in production.
6. Stages of operational and production planning and their features.
7. Operational and production planning systems and their features.
8. Features of operational planning for various types of production.
9. Dispatching and operational accounting of production progress.
10. Automation of operational management of the main production.
11. Organization of technical rationing.
12. Features of personnel selection.
13. Organization and maintenance of workplaces.
14. Organization of multi-point service.
15. Organization and remuneration of labor.
16. Product quality and its indicators.
17. Types of quality control.
18. Organization of product quality control.
19. Purpose and functions of the tool industry.
20. Calculation of tool consumption rates.
21. Planning the need for a tool.
22. Organization of management of instrumental economy.
23. Purpose and tasks of the energy sector.
24. Determination of the company's need for energy resources.
25. Organization of transport facilities.
26. Organization of the warehouse facilities of the enterprise.
27. The purpose of the warehouse.
28. Classification of warehouses.
29. Stock rationing.
30. Calculation of the warehouse area.

IV. THE LIST OF LITERATURE NECESSARY FOR MASTERING THE DISCIPLINE

5.1. Basic literature

1. Golov, R. S. Organization of production, economics and management in industry : textbook / R. S. Golov, A. P. Agarkov, A.V. Mylnik. Moscow : Dashkov and Co., 2019. 858 p. (Educational publications for bachelors). – Access mode: by subscription. – URL: <https://biblioclub.ru/index.php?page=book&id=573448> (date of access: 04/20/2024). – Bibliogr. in ISBN 978-5-394-02667-6. – Text : electronic.

2. Theory of organization : organization of production : a textbook / A. P. Agarkov, R. S. Golov, A.M. Golikov [et al.] ; under the general editorship of A. P. Agarkov. – 4th ed., ster. – Moscow : Dashkov and Co., 2021. – 271 p. : ill., tab. – (Educational publications for bachelors). – Access mode: by subscription. – URL: <https://biblioclub.ru/index.php?page=book&id=684336> (date of access: 04/20/2024). – Bibliogr. in ISBN 978-5-394-04505-9. – Text : electronic.

5.2. Additional literature

1. Alekseycheva, E. Y. Economics of organization (enterprise) : textbook / E. Y. Alekseycheva, M. D. Magomedov, I. B. Kostin. – 5th ed., ster. – Moscow : Dashkov and Co., 2021. – 291 p. : tab. – (Educational publications for bachelors). – Access mode: by subscription. – URL: <https://biblioclub.ru/index.php?page=book&id=684275> (date of access: 04/21/2024). – ISBN 978-5-394-04374-1. – Text : electronic.

2. Rudenko, L. G. Planning and designing organizations : textbook / L. G. Rudenko. – Moscow : Dashkov and Co., 2021. 240 p. : ill., tab. – (Educational publications for bachelors). – Access mode: by subscription. – URL: <https://biblioclub.ru/index.php?page=book&id=684226> (date of access: 04/21/2024). – Bibliogr. in ISBN 978-5-394-02497-9. – Text : electronic.

IV. THE LIST OF LITERATURE NECESSARY FOR MASTERING THE DISCIPLINE

4.1. Basic literature

1. Gavrilenko N. I. Consumer behavior : a textbook : [16+] / N. I. Gavrilenko. – Moscow : Direct-Media, 2022. – 132 p. : table. – Access mode: by subscription. – URL: <https://biblioclub.ru/index.php?page=book&id=692942> (date of request: 11/09/2024). (date of request: 04/20/2024)

4.2. Additional literature

1. Baddeley M. Behavioral economics : a very brief introduction / M. Baddeley ; under the scientific editorship of M. I. Levin ; trans. translated from English by N. V. Shilova; translated from English by I. M. Ageeva; Russian Presidential Academy of National Economy and Public Administration (RANEPA). Moscow : De-lo, 2022. 208 p. (Very brief introduction). – Access mode: by subscription. – URL: <https://biblioclub.ru/index.php?page=book&id=698656> (date of conversion: 04/20/2024).

2. Glaveva, A. Consumer Guide : textbook: [16+] / I. A. Glaveva ; Volga State Technological University. Yoshkar-Ola : Volga State Technological University, 2017. 128 p. : tables, diagrams. - Access mode: by subscription. - URL: <https://biblioclub.ru/index.php?page=book&id=483710> (date of access: 04/20/2024).

V. THE LIST OF RESOURCES OF THE INTERNET INFORMATION AND TELECOMMUNICATION NETWORK NECESSARY FOR MASTERING THE DISCIPLINE

№ пп	Link to an information resource	The name of the development in electronic form	Availability
1.	http://innovation.gov.ru/	Innovation in Russia website	Free access
2.	www.garant.ru	Information and legal portal	Free access
3.	www.consultant.ru	Russian computer Legal Reference System	Free access

VI. MODERN PROFESSIONAL DATABASES AND INFORMATION REFERENCE SYSTEMS

1.	http://www.biblioclub.ru	Electronic Library System (EBS) University Library Online	Registration via any university computer. In the future, unlimited individual access is provided from any point where Internet access is available.
2.	http://www.e.lanbook.com	The Electronic Library System (EBS) of the Lan Publishing House	Free access
3.	нэб.рф	National Electronic Library	Access is provided only within the framework of an organized electronic reading room from terminals installed on the territory. IGU Scientific Library (28 Kommunarov St.): reading room, room 305 b; YSU Electronic Information Center, room 406 a

VII. LICENSED AND FREELY DISTRIBUTED SOFTWARE

The following licensed and freely distributed software is used in the implementation of the academic discipline:

- Microsoft Windows;
- Microsoft Office;
- LibreOffice, etc.

VIII. EQUIPMENT AND TECHNICAL TRAINING FACILITIES NECESSARY FOR THE IMPLEMENTATION OF THE EDUCATIONAL PROCESS IN THE DISCIPLINE

Training sessions are held in classrooms equipped with specialized furniture, including stationary or portable technical training equipment (projector, screen, computer/laptop).

Independent work is carried out in classrooms equipped with computer technology with the ability to connect to the Internet and provide access to the electronic information and educational environment of the university.