

BUNIN YELETS STATE UNIVERSITY

РАБОЧАЯ ПРОГРАММА ДИСЦИПЛИНЫ
B1.V.01.10 Production management

Course of study: 38.03.02 Management

Orientation (profile): Organization management and logistics

Qualification (degree): Bachelor's degree

Form of study: full-time

Institute of Economics, Management and Service Technologies

N.G. Nechaev Department of Economics and Management

	full-time form	full-time and part -time education	correspondence form
Course	4		
Semester/trimester	7		

Lectures	54		
, including practical training	2		
Laboratory classes			
Practical (seminar) classes	54		
, including practical training	2		
Consultations			
Forms of intermediate certification	course project exam -0,8		
Control	9		
Other forms of work	1		
Independent work	169,2		

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 the discipline is to develop students' basic competencies in the field of production planning and organization using modern management approaches in a market economy.

Objectives of the discipline:

□ study of methods and methods of solving professional problems in the field of planning and organization of production;

the study of the basic foundations of modern management approaches in the management of the production process;

to study the content and features of the implementation of functional strategies of the organization, to be able to form proposals to improve the effectiveness of their relationship;

be able to assess the company's development prospects in order to prepare balanced management decisions.

The place of the discipline in the structure of the OPOP: it is implemented within the framework of the variable part of block B1. Disciplines (modules).

Planned learning outcomes in the discipline:

Competence code	Indicators of competence achievement	Planned learning outcomes in the discipline
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;– □ 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	He has <ul style="list-style-type: none">– the skills of using standard methods and methods of solving professional problems in the field of planning,

	field of planning, production organization, and modern management.	production organization, and modern management.
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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

30	Naming of sections and topics	Total	Classroom classes			Independent work
			ЛК	ПЗ	ЛБ	
	Section 1. Introduction to production management	162	32	32		98
	Topic 1. Production as an object of management.	23	4	4		15
	Topic 2. Production and technical base of the enterprise.	23	4	4		15
	Topic 3. Organization and management of production in the main workshops of the enterprise.	29	6	6		17
	Topic 4. Organization of basic production support.	29	6	6		17
	Topic 5. Formation of the company's production program.	29	6	6		17
	Topic 6. Fundamentals of production planning	29	6	6		17
	Section 2. Production management in market conditions	115,2	22	22		71,2
	Topic 7. Operational production management.	30	6	6		18
	Topic 8. Inventory management.	30	6	6		18
	Topic 9. Management of logistics processes in the enterprise.	30	6	6		18
	Topic 10. Organization and management of product quality.	25,2	4	4		17,2
	IGF	<i>1</i>				
	Control	<i>9</i>				
	Exam	<i>0,8</i>				
	Total for the 7th semester	288	<i>54</i>	<i>54</i>		<i>169,2</i>
	, including practical training	<i>4</i>	<i>2</i>	<i>2</i>		
	total:	288	54	54		169,2

Full-time and part-time education is not implemented
Correspondence education is not 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 control work in the form of a test, an abstract.

A typical version of the test

1. "Production capacity is understood as the maximum possible output with full use of the existing production apparatus."
A) yes
B) no
2. When calculating the production capacity, the following is taken into account:
A) all installed equipment
B) all installed equipment except backup
3. The equipment shift ratio is calculated by the equipment:
A) discontinuous operation
B) continuous operation
C) intermittent and continuous operation
4. The coefficient of equipment changeability is determined by:
A) only according to the working equipment
B) for all installed equipment
C) according to the operating and all installed equipment
5. The shift ratio shows:
A) how many shifts does each piece of equipment work on an average daily basis
B) the degree of utilization of the commissioned machine park
6. Can the production capacity be used for more than 100%
A) yes
B) no
7. The production program is understood as:
A) the plan of the company's production units in terms of volume, nomenclature, assortment, quality and timing of production
B) the maximum possible output
8. It takes a long time to produce each unit of production.:
A) in a single type of production
B) in the mass production type
9. A single type of production is characterized by:
A) a significant proportion of manual work
B) a small proportion of manual work
10. A single type of production is characterized by the production of products:
A) in one or more copies
B) in batches (series) with the established release regularity
11. What type of production organization has a broader annual product range than each product range?
A) serial number
B) mass
12. What type of production organization is characterized by the constant production of a strictly limited range of products, homogeneous in purpose, design, technological type, manufactured simultaneously and in parallel

- A) single
- B) serial number
- C) mass production

13. Is the following definition of in-line production correct?: "In-line production is a method of production organization characterized by the division of the production process into separate, relatively short operations performed at sequentially located production lines."

- A) yes
- B) no

14. In the Kanban system, the production plan has:

- A) all production sites
- B) only the final assembly area

15. Which path should be considered critical

- A) a continuous sequence of work and events from the initial to the final event, requiring the longest time to complete it
- B) a continuous sequence of work and events from the initial to the final event, requiring the least time to complete it.

16. Is the following definition of dispatching correct: "A system of centralized control and management of production processes carried out by a dispatcher from a central point using technical means of communication, signaling, telemechanics and automation"

- A) yes
- B) no

17. Measures should be taken to reduce the time required to create an object.:

- A) to reduce the duration of all work
- B) reducing the duration of work that is on a critical path

18. Is it possible to use the Gantt schedule when conducting dispatching

- A) yes
- B) no

19. Is it possible to define quality management as actions carried out during the creation, operation or consumption of products in order to establish, ensure and maintain the required level of quality

- A) yes
- B) no

20. Machine time is understood as time:

- A) the direct impact of the equipment on the object of labor
- B) during which the worker using the equipment is busy, but the equipment itself is inactive

21. Stagnant time is the time:

- A) during which the installed equipment, intended for operation according to the plan, is inactive for various reasons
- B) during which the equipment that is not necessary for the execution of the production program is inactive.

22. The active participation of equipment in the production process is measured by:

- A) machine (hardware) time
- B) working time fund
- 23. Extensive use of equipment is understood as the use of equipment
 - A) by time
 - B) by capacity
 - C) by volume of work
- 24. The average number of operating hours of the equipment for the period depends on
 - A) from the average number of days of operation of the unit of equipment for the period
 - B) the shift ratio of the working equipment
 - C) the average working time of a piece of equipment per shift
- 25. Name the reliability indicators of the equipment
 - A) the service life of the equipment
 - B) the average number of equipment operations per failure (average operating time per failure)

Approximate topics of the essays

1. The enterprise as a production management system.
2. Organization of production: the main stages of development.
3. Organization, types and techniques of planning at the enterprise.
4. Development of the company's production strategy.
5. Organization of product sales through the formation of distribution channels.
6. Production planning of the program and the production process.
7. Choosing a strategy for maintaining the means of production in working condition.
8. Choosing a logistics strategy for the enterprise.
9. Management of material production stocks at the enterprise.
10. Enterprise organization: concept, factors, structure.
11. Production management process.
12. Organizational, technical and economic factors of product quality assurance.
13. Organization and management of the warehouse and storage facilities of the enterprise.
14. Organization of operational production management.
15. Information support of production management.
16. Forms and methods of production organization.
17. Production management process, functions and cycle.
18. Organization of production management.
19. Rules and techniques of economic strategy.
20. The main tasks and principles of production planning.
21. Methods of production inventory management.
22. The content and tasks of maintenance of labor tools.
23. The system of maintenance and repair of fixed assets.
24. Organization and management of energy services of the enterprise.
25. Organization and management of the enterprise's transport facilities.
26. Organization and management of the warehouse facilities of the enterprise.

27. Organization and management of the company's sales.
28. Product quality management system.
29. Content and tasks of operational production management.
30. Organization of production regulation.
31. Information support of production management.

The intermediate certification of students is carried out in the form of an exam and a course project using the following assessment materials: a list of exam questions, approximate topics of course projects.

Exam questions
(7th semester full-time)

1. Characteristics of the company's production system.
2. The purpose, objectives and functions of production management.
3. The main categories of production management.
4. Types and methods of production organization.
5. The production structure of the enterprise.
6. Workplace, its organization and maintenance
7. Production capacity of the enterprise.
8. Organization and management of production in procurement workshops.
9. Organization and management of production in processing workshops.
10. Organization of assembly production.
11. Organization and management of material and technical support of production.
12. Organization of warehouse management.
13. Organization of repair services.
14. Organization of the energy sector.
15. Organization of transport facilities.
16. Development of the production program.
17. Production equipment and production facilities.
18. Factors influencing the implementation of the production program.
19. Production program options.
20. Tasks, types and principles of planning.
21. Business planning at the enterprise.
22. Development of the company's production program.
23. Calendar planning.
24. Management of the company's production program.
25. Operational planning and production management system
26. Accounting for the results of the company's production activities.
27. Theory of inventory management.
28. General characteristics of inventory management models.
29. Methods of forecasting material needs.
30. Warehouse management.
31. The importance of logistics in the management of a modern enterprise.
32. Procurement logistics (logistics of supply).
33. Sales logistics.
34. Transport logistics.
35. Warehouse logistics.
36. Inventory logistics.
37. Production logistics.
38. Product quality and its indicators.
39. Ensuring the quality of products at the enterprise.
40. Ensuring the competitiveness of the enterprise and its products
41. Maintenance and repair planning

42. The essence of technical preparation of production
43. Content and stages of design preparation (PKP)
44. Stages of technological preparation of production
45. Stages of organizational and economic preparation of production
46. The concept and indicators of product quality
47. Product Quality management
48. New strategy in product quality management
49. Product certification
50. The structure and functions of material and technical support at the enterprise
51. Organization of supplies of material resources to the enterprise
52. Organization of supply of production workshops and sites
53. Inventory management
54. Structure and functions of a marketing-based sales service
55. The content of commercial work on product sales planning
56. The content of the product sales organization
57. Advertising and demand promotion
58. The KANBAN system in the organization of production on the principle of "just in time"

**Sample course project topics
(7th semester full-time)**

1. 1. Forecasting the competitiveness of the company's products (using the example...).
2. 2. Improving the competitiveness of products (enterprises, services) (using the example ...).
3. 3. Developing a business plan (using the example...).
4. 4. Developing an enterprise's production program (using the example...).
5. 5. Improving the operational management system at the enterprise (using the example ...).
6. 6. Evaluation of the effectiveness of an enterprise's innovation activity (using the example of ...).
7. 7. Development of an innovative project (using the example of ...).
8. 8. Optimization of the company's placement strategy (for example...).
9. 9. Development of an enterprise placement strategy and evaluation of its effectiveness (using the example...).
- 10.10. Evaluation of the effectiveness of the placement of business units (using the example...)
- 11.11. Assessment of the efficiency of resource use in an enterprise (using the example...)
- 12.12. Improving the organization of inventory management at the enterprise (for example).
- 13.13. Improving the organization of production at the enterprise (for example ...).
- 14.14. Analysis of the service process at the enterprise and ways to improve its efficiency (using the example ...).

- 15.15. Optimization of the structure of the production cycle of an enterprise (for example ...).
- 16.16. Improvement of maintenance at the enterprise (for example ...).
- 17.17. Improvement of transport services at the enterprise (for example ...).
- 18.18. Improvement of warehouse services at the enterprise (for example ...).
- 19.19. Improvement of the quality management process at the enterprise (for example ...).
- 20.20. Improvement of the production control system at the enterprise (for example ...).
- 21.21. Optimization of the product quality control process at the enterprise (for example ...).
- 22.22. Improving the organization of production control at the enterprise (for example ...).
- 23.23. Development of elements of the quality management system at the enterprise (for example ...).
- 24.24. Improvement of the quality management system at the enterprise (for example ...).
- 25.25. Product quality improvement project (for example ...).
- 26.26. Improving the efficiency of using material resources (for example).
- 27.27. Improving the logistics activities of the enterprise (for example).
- 28.28. Formation and improvement of the company's sales policy (by example)
- 29.29. Improving the cost management process (using the example of)...
.....
- 30.30. Management of the use of production facilities (for example ...).
- 31.31. Management of logistics at the enterprise (for example ...).
- 32.32. Improving the organization of planning work (using the example ...).
- 33.33. Improvement of the dispatching system at the enterprise (for example ...).
- 34.34. Improvement of the organization of innovative activity of the enterprise (for example ...).
- 35.35. Development of a project to reduce the cost of products and services at the enterprise (for example ...).
- 36.36. A project to optimize business processes in an enterprise (for example ...).
- 37.37. Improving the organization and maintenance of workplaces at the enterprise (for example ...).
- 38.38. Improvement of the organization of repair work at the enterprise (on the example of ...).
- 39.39. A project to greenize the production process at the enterprise (on the example of ...).
- 40.40. Improvement of the distribution logistics system of the enterprise (for example ...).
- 41.41. Formation and main directions of improvement of the sales management system at the enterprise (for example ...).
- 42.42. Formation of the enterprise's procurement logistics system (for example ...).

- 43.43. Improvement of the company's procurement logistics systems (for example ...).
- 44.44. A project to implement the principles of lean manufacturing of an enterprise (for example ...).
- 45.45. Formation and improvement of the logistics warehouse system at the enterprise (for example ...).
- 46.46. Organization of control over warehouse operations at the enterprise (for example ...).
- 47.47. Analysis of the effectiveness of warehouse management at the enterprise (using the example ...) and its improvement.
- 48.48. Formation and improvement of the logistics service system at the enterprise (for example ...).

IV. THE LIST OF LITERATURE NECESSARY FOR MASTERING THE DISCIPLINE

1. 5.1. Basic literature
- 2.
3. 1. Malyuk, V.I. Production management: a textbook for universities / V. I. Malyuk. — 2nd ed., ispr. Moscow: Yurait Publishing House, 2021. 249 p. (Higher education). — Access mode: by subscription. — URL: <https://urait.ru/bcode/453316> . — ISBN 978-5-534-07364-5. — Text: electronic (accessed: 04/20/2024).
4. 2. Production management: textbook and workshop for universities / L. S. Leontieva [et al.]; edited by L. S. Leontieva, V. I. Kuznetsov. Moscow: Yurait Publishing House, 2021. 305 p. (Higher education). — Access mode: by subscription. — URL: <https://urait.ru/bcode/450132> . — ISBN 978-5-534-02469-2. — Text: electronic (accessed: 04/20/2024).
5. 3. Gadzhinsky, A.M. Logistics: textbook / A.M. Gadzhinsky. — 21st ed. — Moscow: Dashkov and Co., 2017. — 419 p.: ill. — (Educational publications for bachelors). — Access mode: by subscription. — URL: <https://biblioclub.ru/index.php?page=book&id=495765> (date of access: 04/20/2024). — Bibliogr. in ISBN 978-5-394-02059-9. — Text: electronic.
- 6.
7. 5.2. Additional literature
- 8.
9. 1. Production management: a textbook: [16+] / A.B. Nazarenko, D.V. Zaporozhets, D.S. Kenina et al.; Stavropol State Agrarian University. Stavropol: Stavropol State Agrarian University, 2017. 140 p.: ill. — Access mode: by subscription. — URL: <http://biblioclub.ru/index.php?page=book&id=484943> . — Text: electronic (accessed: 04/21/2024).
10. 2. Production management. Practicum: a textbook for universities / I.N. Ivanov [et al.]; under the general editorship of I.N. Ivanov. Moscow: Yurait Publishing House, 2020. 362 p. (Higher education). — Access mode: by subscription. —

URL: <https://urait.ru/bcode/466243> . – ISBN 978-5-9916-7600-7. — Text: electronic (accessed: 04/21/2024).

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.