

# **Organization of production and enterprise management**

(course title)

## **COURSE SYLLABUS ABSTRACT of higher education institution speciality**

### **Specialty 1-70 03 01 Highways**

	Study mode		
	Full-time	Full-time	Full-time
Year	4	5	4
Semester	8	9, 10	7, 8
Lectures, hours	32	6	6
Practical classes (seminar), hours	32	6	6
In-class test (semester, hours)	-	9 (2h)	
Course project, semester	8	10	8
Exam, semester	8	9	7
Contact hours	64	12	12
Independent study, hours	96	148	148
Total course duration in hours / credit units	160/4		

1. Summary of the discipline: fundamentals of the organization of production in the road sector, organization of engineering preparation of production, organization of technical rationing, calendar planning in road construction, organization of production facilities in the road sector, organization of quality management of road works, management of road organizations on the principles of management.

2. As a result of studying the discipline, the graduate must: know:

- basic principles and methods of organization of road works;
- principles of calendar planning;
- principles of material and technical support of road works;
- principles of the organization of the production base and organizational and technical maintenance of road works;
- fundamentals of technical rationing;
- principles of labor organization;
- functional components of management;
- functions of the management process and management theory;

be able to:

- develop construction calendar plans; projects for the organization of construction and production of works;
- calculate the material and technical needs of production;
- normalize technical and labor costs;
- plan the production and economic activities of the road organization;
- manage production based on modern management systems;
- be able to use various management theories in practice;

own:

- methods of developing calendar plans;
- skills in calculating the need for material and technical resources;
- functional components of management.

3. Formed competencies:

AK-1. Be able to apply basic scientific and theoretical knowledge to solve theoretical and practical problems.

AK-2. Possess systematic and comparative analysis.

AK-3. Possess research skills.

AK-4. Be able to work independently.

AK-7. Have skills related to the use of technical devices, information management and computer work.

AK-8. Have oral and written communication skills.

SLK-2. Be capable of social interaction.

SLK-5. Be capable of criticism and self-criticism.

PC-3. To ensure the development, comparison and selection of the most optimal variant of the highway with a feasibility study.

PC-29. Interact with specialists of related professions.

PC-39. To search, systematize and analyze information on the prospects for the development of the industry, innovative technologies, projects and solutions.

4. The current certification of students is carried out to determine the compliance of the results of their educational activities with the requirements of educational standards, curriculum, documentation of educational programs of higher education. The forms of current certification of students are course design and examination. The current certification is carried out orally or orally in writing. The form of intermediate certification is a control work, which is carried out in writing.