MANUFACTURING ENTERPRISES OF THE ROAD INDUSTRY

(course title)

COURSE SYLLABUS ABSTRACT
of higher education institution
speciality

Specialty 1-70 03 01 Highways

	Study mode	
	Full-time (day)	Correspondence abbreviated
Year	5	5
Semester	9	9
Lectures, hours	32	-
Practical classes (seminar), hours	16	-
Course project, semester	9	9
Exam, semester	9	-
Contact hours	48	-
Independent study, hours	48	96
Total course duration in hours / credit units	96/3	

1. Summary of the discipline: The purpose of the discipline is the study by students of modern technologies for the preparation and
production of road construction materials, ways to minimize the harmful effects on the environment from the manufacturing enterprises of the road industry.

2. As a result of studying the discipline, the graduate must:
- know: modern methods of production of road-building materials, the sequence of technological operations in their production, taking into account their characteristics; advanced organization of work in the construction of highways; methods of quality control of the work performed.
-be able to: use normative literature; determine the need for material and technical resources; complete mechanized detachments with the alignment of their work in time; carry out operational quality control; carry out calendar planning of road construction works.
- possess: practical skills in the application of technologies for the preparation of basic road-building materials in the construction of highways; methods of quality control of work in the production of products of a manufacturing enterprise; terminology adopted in the practice of road construction;

3. Formed competencies:
AK-1 To be able to apply basic scientific and theoretical knowledge to solve theoretical and practical problems. 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. CJIK-2 Be capable of social interaction. CJIK-3 Has the ability to interpersonal communication.CJIK-4 Be able to work in a team.PC-2 To develop technical specifications for the projected object, taking into account the results of research and development work.PC-3 To provide development, comparison and selection of the most optimal variant of the enterprise with the feasibility study.PC-9 To develop technical documentation for the projected transport facility.PC-14 To develop technologies of general construction works in the construction of highways and transport structures on them with a choice of machines and mechanisms.PC-29 Interact with specialists of related professions.PC-31. Prepare reports, materials for presentations and represent at them. PC-39 To search, systematize and analyze information on the prospects of the industry development, innovative technologies, projects and solutions. PC-41 Work with scientific, technical and patent literature.

4. Requirements and forms of current and intermediate certification.
When studying the discipline, a modular rating system for assessing knowledge is used. To assess the level of students' knowledge, the following means are used: protection of an individual assignment; student's speech (presentation) on a prepared abstract; intermediate control of academic performance; current certification (exam).