CONTINUOUSLY OPERATED TRANSPORT MACHINES

(course title)

COURSE SYLLABUS ABSTRACT

6-05-0715-03 Cars, tractors, mobile and technological complexes (speciality code and name)

Computer engineering in lifting and transport engineering
(concentration)
(specialisation code and name)

	STUDY MODE
	full-time
Year	4
Semester	7
Lectures, hours	16
Laboratory classes, hours	34
Exam, semester	7
Contact hours	50
Independent study, hours	58
Total course duration in hours / credit units	108/3

1. Course outline

The purpose of the academic discipline is to develop in students theoretical knowledge about the design, principle of operation and calculation of the main parameters of the most common transporting machines.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know:

– general structure, principle of operation, scope of application of the main types of continuous transport machines;

– general theory of transporting machines, methods for calculating their main parameters;

– main directions for further development and improvement of transport machines;

– the main types of transporting machines for bulk and piece goods, their design features and areas of application.

be able to:

– use the general theory of transporting machines for preliminary and approximate calculations of their main parameters;

– use methods for refined calculation of the main types of transport vehicles;

– select the most efficient transport machines for specific conditions.

to possess a skill:

– acquired knowledge and skills in the selection, calculation of the basic parameters of construction and special cranes, load-handling devices;

– information on the main directions for further development and improvement of construction and special cranes.

3. Competencies

Apply the methodological foundations of the design of continuous transport vehicles.

4. Requirements and forms of midcourse evaluation and summative assessment

The current certification oral and written.

The form of intermediate certification oral and written.