**CONTINUOUSLY OPERATED CONSTRUCTION MACHINERY**
(course title)

# COURSE SYLLABUS ABSTRACT

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

Computer engineering in construction and road engineering
(concentration)

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

1. Course outline

The purpose of teaching the discipline "Continuous-action construction machines" is to form knowledge, skills and abilities among students studying in the specialty 6-05-0175-03 "Automobiles, tractors, mobile and technological complexes", allowing them to know the basic calculation methods, design techniques, operational features, advantages of continuous-action machines used in construction

2. Course learning outcomes

Upon completion of the course, students will be expected to

know:

- designs of continuous-action machines;
- methods of calculating continuous machines;
- methods of designing continuous machines;
- features of operation of continuous machines.

be able to:

- design the working equipment of continuous machines;
- to carry out calculations of parameters and characteristics of continuous machines;
- to determine the optimal operating modes of continuous machines, taking into account their characteristics.
- to possess a skill;
- methods of designing the working equipment of continuous machines;
- methods for calculating the parameters and characteristics of continuous machines;
- methods for determining the optimal operating modes of continuous machines, taking into account their characteristics.

3. Competencies

Apply methodological principles of designing machines for earthworks

4. Requirements and forms of midcourse evaluation and summative assessment.

The form of the current certification is intermediate performance monitoring, intermediate certification, survey.
The form of intermediate certification is an test.