

**Annotation to discipline**  
**“Basics of the Theory of Transport”**

**Total work content of discipline learning** is 4,5 points of credit (162 hours).

**Purpose of discipline.** To shape students' knowledge about modern mechanic means of shifting of cargo and activities of mine transport; to prepare them for work practice and for further studying of disciplines, connected with technology of underground and open pit extraction of mine field.

**Tasks of discipline.** To explain the purpose and structure of means of shifting of cargo; characteristics of freight flow and technological schemes of transport during deposit opening, development and mining; methods of selection of transport and substantiation of their performance parameters; to practice the skills of predictive scheme of conveying equipment of coal (ore), supporting materials, human beings and equipment.

**Main didactic units (parts).**

Cargo, transportation systems and technologies of mining enterprises.

General description of means of shifting of cargo.

Standards for evaluation of means of shifting of cargo.

Productivity of transport.

Tractive power for shifting of cargo.

Tractive characteristics of driving elements and engine power.

Tractive and braking ability of self-propelled vehicles.

Tractive ability of hauling blocks of fixed machines.

Tractive calculations of means of shifting of cargo continuously-operated.

Tractive calculations of means of shifting of cargo batch-operated.