

Annotation to discipline

“Transport Systems of Mining Enterprises”

Total work content of discipline learning is 2 points of credit (72 hours).

Purpose of discipline. To shape the students’ knowledge about modern technologies, processes and different types of mining transport. To give to prospective specialists of mining transport theoretical knowledge and practical skills in organizing and exploitation of transport systems. To prepare students for further learning of disciplines connected with technology of open cut mining of mineral products and for operational procedures in concessions.

Tasks of discipline. To grasp the function, structure mining transport, traffic characteristics and technological schemes of transport at the opening, preparation and mining of mineral deposits, the methods of selecting modern vehicles and the rationale for their operational parameters; practice skills of designing and evaluating the organizational and technical level of technological schemes and means of transportation of coal (ore), auxiliary materials, people and equipment, tasks and structure of the dispatching service.

Main didactic units (parts):

- Transport systems and technologies of mining enterprises
- General underground transport coal mines
- Flow charts and processes of transportation in the preparatory workings.
- Flow charts auxiliary transport
- Flow charts and means of transport of the precinct.
- Transport tree trunks yards.
- Technological complex surface of the mine.
- Organization and management of the transport systems of mines.