

## **Annotation to discipline “Drilling degassing holes”**

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

**Purpose of discipline.** To shape students' knowledge about modern technologies of rock failure. Give future professionals in the field of drilling theoretical knowledge and practical skills in the organization and operation of drilling drilling equipment. Prepare students for further study of subjects related to the extraction technology of methane degasification wells, as well as production activities on the mountain and gas producing companies.

**Tasks of discipline.** To explain the ways of rock failure, the choice of well design and drilling equipment required, the use of the wellhead to prevent the emission of gas, the use of formation tester sampling of gas from coal seams and rocks.

**Main didactic units (parts).**

The resource base of carbohydrates Ukraine and gas exploration sites.

Classification of methods of destruction of rocks.

Methods of study of gas-bearing reservoir rocks and coal containing.

Coring and methods to increase gas recovery.

The calculation of flow rate and duration of degasification wells.