

Annotation to discipline
“Evaluation gas content of coal deposits”

Total work content of discipline learning is 3 points of credit (108 hours).

Purpose of discipline. To shape students' knowledge about reservoirs of natural gas of coal deposits, estimate of the maximum free gas-bearing sandstones of the Carboniferous deposits of Donbass, the evaluation of the design vapor space, and metal content metalonosit rocks.

Tasks of discipline. To explain the features of gas-bearing coal basins of Ukraine, the impact of technological processes on the formation of thicker Donbass coal mass, the effect of gas content on the mechanical properties of rocks, the basic requirements for the construction of a gas well, gas-hydrodynamic research in wells at various modes of gas filtration, degassing rock mass.

Main didactic units (parts).

Common questions of geology.

Oil and gas business and particularly gas-bearing coal basins of Ukraine.

The study of gas-bearing coal seams and coal mass zones.

Degassing of the rock mass.

Gas-dynamic studies of wells.