

Annotation to discipline
“Operating regimes of gas supplying systems”

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

Purpose of discipline. To shape students’ knowledge about modes of operation of gas supply in the gas pipeline and compressor stations, and prepare to work in the coal mines, developing methane rich layers.

Tasks of discipline. Examine the current system of gas supply in the different modes of consumption, the appointment of gas distribution stations (GDS), the features of urban construction and operation of GDS, the impact on the operation of the gas pipeline compressor stations and disabling of individual units.

Main didactic units (parts).

General concepts of distribution networks and gas storage facilities.

The structure of gas supply systems.

Consumers and modes of gas consumption.

Appointment of gas distribution stations.

Features of urban facilities GDS.

Operation of gas supply systems.

The joint work of the gas pipeline and compressor stations.

Impact on the operation of the pipeline, compressor stations and disabling of individual units.

The reliability of the gas supply system.

Technical and economic parameters of underground gas storage (UGS).