

Annotation to discipline “Professional duties and tasks of specialists”

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

Purpose of discipline. To shape special skills and knowledge that will be enough for fulfillment of tasks and duties of specific level of professional activity, expert, who is able to do a job of overman and mining engineer at mining company with object of activity “Mineral deposits development technology”.

After studying the discipline specialist is supposed to be able to perform technological and organizational activities, to manage some branches of the enterprise in order to improve technological processes and equipment and to increase the effectiveness of its activities.

Tasks of discipline. To grasp production functions, typical activity tasks and skills, which are essential for graduates. Specialists are supposed to fulfill the following functions: technological, organizational and management. Furthermore they have to be able to solve the following issues:

analysis of mining and geological conditions of mineral deposits development for evaluation of competence of management of mountain group condition, stress-deformed state of the rocks forecast during mining operations;

Dimensioning of mine and facilities, constructions and parameters of orefield, non-metallic and coal deposits, stability and parameters of open pit side and pit dump, evaluation of technological system performance effectiveness for sand mining at mining enterprise; techno-economic justification of mining method of mineral deposit and its parameters, dimensioning of mine and facilities, constructions and safe methods of mining operations, organization of work and safety of mining operations, recording and performance analysis of operating and development activities of enterprise, personnel management at mining enterprise.

Main didactic units (parts).

Modern and non-traditional world perception.

Qualification criteria for specialists.

Production functions, typical activity tasks and skills, which are essential for specialists.

Organizational function to shape events.

Managerial function.

Performance of scientific-research and design works.