

Lectures on the credit module "Occupational safety in the field" formed in accordance with the discipline "Occupational safety in the field" educational program accepted by methodical council of NTUU "KPI" (protocol №8 from 17.04.2014). Material of these nine lectures includes both parts of the discipline, namely, legal, organizational and economic bases of occupational safety and industrial safety and special parts of occupational safety in the field of the professional activity.

The normatively-legal bases of the labour protection in the field, occupational safety management in organizations, analysis of conditions of labour, investigation, registration, account and analysis of accidents, state social security on a production and economic aspects of occupational safety is examined in the first part. The special attention in this part is spared to the international norms of labour and industrial safety and recommendations of ILO and organs of state administration and supervision.

In the second part a sanitary-hygenic requirements to the enterprises of the branch, productive and auxiliary houses, organization of a labour in the workplace, basic directions of improvement of the state of air of productive zone, methods of adjusting of quality of air environment and decline of negative influence of contaminants on workers, calculation of natural and artificial illumination, measures and facilities of protecting from noise, infra-sound, ultrasound, vibrations, infra-red and ultraviolet radiation and electromagnetic radio frequency range radiation are examined. In the same part both the various measures of protecting from an electric current defeat and sources, ways and backer-ups of fire and explosive safety of branch objects are studied.

Mastering the program of the credit module "Occupational safety in the field", specialists and master's degrees in the corresponding specialities must be able to decide a typical tasks of all directions of professional activity with the obligatory observance of occupational safety requirements and standards, using the last achievements of scientific progress and international experience of maintenance of life, health and capacity of inferior workers and third persons.