

MECHANICS OF LIQUID AND GAS

(course title)

COURSE SYLLABUS ABSTRACT

7-07-0732-01

(speciality code and name)

" Construction of buildings and structures "

(specialisation code and name)

	STUDY MODE		
	full-time	Part-time (shortened program)	part-time
Year	2	3	3
Semester	4	6	6
Lectures, hours	16	4	4
In-class test (semester, hours)	16	4	4
Exam, semester	4	6	6
Contact hours	32	8	8
Independent study, hours	76	100	100
Total course duration in hours / credit units	108/3		

1. Course outline
The academic discipline contains the main sections: laws and regulations in the field of labor protection; organization of labor protection in a construction enterprise; industrial sanitation; industrial safety; electrical safety and fire safety.
2. Course learning outcomes
Legislation, upon completion of the course, students will be expected to know:
other regulatory legal acts in the field of labor protection; the main provisions of the labor protection management system at construction enterprises; dangerous and harmful production factors, methods for their identification and elimination; fundamentals of the theory of labor protection in the design, construction and operation of construction projects.
Be able to:
Create a labor protection management system at a construction company; implementation of organizational and engineering measures to ensure safe working conditions; perform calculations of the main parameters of systems and devices.
Possess:
Skills in analyzing the labor protection management system at a construction company; methods for calculating the main parameters of protective systems and devices; methods of identification and elimination of hazardous and harmful production factors.
3. Competencies
Apply the laws of fluid and gas mechanics in engineering calculations of networks and equipment
4. Requirements and forms of current and intermediate certification
Intermediate certification is performed in the form of four tests using test tasks. The current certification is an exam.