

# DESIGN FEATURES OF POTENTIALLY DANGEROUS OBJECTS

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To EDUCATIONAL

## PROGRAM IPOFPAMME INSTITUTIONS VYSSHEFO EDUCATIONAL INSTITUTIONS

**Specialty** 1-54 01 02-Metodl and devices for quality control and diagnostics of objects ' condition

**Specialization** 1-54 01 02 02 —Non- destructive testing of materials and products

	Form of higher education
	Full-time (full-time)work
course	3
Se	5
Lectures, hours	50
Practical (seminar)courses classes, hours	16
Exam, semester	5
Classroom hours for the academic discipline	66
Independent work, hours	42
Total hours per academic discipline / credits	108/3,0

- 1. Summary of the academic discipline.** The academic discipline is aimed at: student's acquisition of knowledge about the design of hazardous production facilities, their use in industrial production. classification and operation features, study of regulatory and legal aspects documents, defining features their design and operation.
- 2. Results training.** As a result of mastering the academic discipline, the student must know: the Law of the Republic of Belarus "On Industrial Safety of Hazardous Production Facilities"; classification and procedure for registration of hazardous production facilities; characteristics of hazardous production facilities, design features and control zones of hazardous production facilities; regulatory documents defining the conditions for safe operation of potentially hazardous industrial facilities;  
be able to: correctly classify hazardous production facilities; identify the most dangerous elements of hazardous production facilities based on an analysis of their design features; use regulatory documents defining the safe operation of hazardous production facilities, choose the correct measurement and control method ;  
own: the ability to make a rational choice of methods for calculating the strength characteristics of the main elements of potentially dangerous objects; information processing methods for monitoring and diagnostics of industrial facilities; methods for calculating the strength of the main structural elements of objects.
- 3. Emerging competencies:** BOD-16 Should Be able to determine the most dangerous ones elements of objects based on the analysis of their design features.
- 4. Requirements and forms for the current and interim financial statements** attestations: exam (written form) form). For access points to for the exam student in accordance with educational program the program must complete and protect practical applications tasks, but also intermediate services control points works.