

Title Safety in technology and work organization	Code 1011102111011120469
Field Safety Engineering - Full-time studies - Second-cycle studies	Year / Semester 1 / 1
Specialty Work Safety Management	Course core
Hours Lectures: 3 Classes: 15 Laboratory: - Projects / seminars: -	Number of credits 4
	Language polish

Lecturer:

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Status of the course in the study program:

-Core course of the study program for the branch "Safety engineering" at the Faculty of Engineering Management

Assumptions and objectives of the course:

Knowledge of theoretical and practical problems associated with the assessment and shaping of safety in work systems. Learning skills for choosing safeguards which protect humans, relevant to the type of potential risks arising from the use of technical means, way of implementation of technology, and organizational solutions adopted in the workplace.

Contents of the course (course description):

The concept of safety and acceptable risk. Security measures in technology and safe technology. Types and sources of danger to humans during work and the external environment in a variety of manufacturing techniques and in different technologies related to materials processing, energy and, information. Evaluation and development of safety features of tools, machines and technological equipment, work areas, vehicles. Mode of action of man as a source of threats to the security of people and machines. Forms of work organization and their impact on the safety of employees. Quantitative assessment of the result of labor and labor standards as factors influencing safety

Introductory courses and the required pre-knowledge:

-The basic knowledge, ideas, definitions and functions in area production technology, protection and work safety and ergonomics.

Courses form and teaching methods:

- Lectures with multimedia, classes

Form and terms of complete the course - requirements and assessment methods:

-Written test or oral exam, class

Basic Bibliography:

Additional Bibliography:

