**DESCRIPTION OF A STUDY COURSE – SYLLABUS**

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| **Title of a course** | **Safety in planning of production processes/systems** | | | | |
| **Study programme** | **Specialist professional graduate study Occupational Safety** | | | | |
| **Status of a course** | Obligatory | | | | |
| **Year of study** | 2. | **Semester** | W | **ECTS credits** | 5 |
| **Teaching plan**  **(L + E + S+ Pr)** | 2+1+0+0 | | | | |
| **Goals of a course** | | | | | |
| Introduce students to basic measures in the planning of production processes. Determine the possibilities of applying preventive measures in the safety in the planning of production processes and to acquaint students with methods that can be used in solving problems in the planning of production processes. | | | | | |
| **Conditions for enrolling course** | | | | | |
| No conditions | | | | | |
| **Expected learning outcomes on a level of a course** | | | | | |
| 1. Identify the features of production systems 2. Describe the design principle of a production system 3. Assess the potential hazards and risks within a production facility as a whole 4. Apply safety principles to a specific production system 5. Design the safety system of a particular production system | | | | | |
| **Content of a course** | | | | | |
| General about production systems. A principle of designing production system, production plant and work position. Safety planning in design of production systems. Defining work positions, zones and sheds with the potential hazards. Planning and designing safety system parallel with the planning of production systems, specifically for areas of increased danger: introducing physical and personal protective tools, chocking of engines, introducing noise and vibration protection, electricity protection, protection against high and low temperatures, dust, harmful chemical reagents and marking the spots with the increased dangers for safety. Planned management of production system in safe mode for people and material goods. | | | | | |
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