**DESCRIPTION OF A STUDY COURSE – SYLLABUS**

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| **Title of a course** | **Alarm systems in the service of safety** | | | | |
| **Study programme** | **Specialist professional graduate study Occupational Safety** | | | | |
| **Status of a course** | Obligatory | | | | |
| **Year of study** | 1. | **Semester** | W | **ECTS credits** | 6 |
| **Teaching plan**  **(L + E + S+ Pr)** | 2+1+1+0 | | | | |
| **Goals of a course** | | | | | |
| Introduce students to the practical aspects of alarm and security systems - legislative framework, implementation and design. | | | | | |
| **Conditions for enrolling course** | | | | | |
| No conditions | | | | | |
| **Expected learning outcomes on a level of a course** | | | | | |
| 1. Apply current regulations related to technical protection  2. Create documentation respecting the rules of the profession, positive engineering practice and legislative regulations for technical protection  3. Create a threat assessment and other documentation according to the regulations for a smaller facility  4. Design a concept of a technical protection system for a residential-business facility  5. Sketch and create graphic documentation elements of the project using AutoCAD software | | | | | |
| **Content of a course** | | | | | |
| General information about systems of technical protection. Safety systems: characteristics, analysis of threats, principles of safety implementation. Basic parts of a system: sensors (detectors), transmission lines, central devices, power supply. Safety systems for various purposes. Consideration of the approaches to the designing of safety systems. Legal regulations. | | | | | |
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