**DESCRIPTION OF A STUDY COURSE – SYLLABUS**

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| **Title of a course** | **Work environment testing** | | | | |
| **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+2+0+0 | | | | |
| **Goals of a course** | | | | | |
| To acquaint students with the legal regulations in the field of work environment, measuring equipment, test methods and preparation of records on microclimate testing, working noise, lighting and indication of radiation and harmful substances. | | | | | |
| **Conditions for enrolling course** | | | | | |
| No conditions | | | | | |
| **Expected learning outcomes on a level of a course** | | | | | |
| 1. Analyse the impact of physical noxiousness’s in the environment on humans 2. Analyse the impact of chemical noxiousness’s in the environment on humans 3. Analyse the impact of biological noxiousness’s in the environment on humans 4. Describe the impact of ionizing and non-ionizing radiation in the environment on humans 5. Create a work environment testing log | | | | | |
| **Content of a course** | | | | | |
| Introduction to the examination of a working environment. Terminology, definitions and glossary. Legal regulations in the control of the working environment. Elements of the EN ISO 14001 standard. Sources of hazards in industry: chemical hazards (metals, paints and degreasing agents, organic solvents, plastics, gases, acids, alkalis); biological hazards (bacteria, viruses, fungi); physical hazards (electromagnetic radiation, noise, vibration, lighting). Aspects of the environment and impacts on the environment. Measurements of individual aspects of the environment. Methods of measurement and measuring instruments. Criteria for the assessment of individual aspects of the environment. Analysis of measurement results. Technical and personal measures of protection. Measures for improving the condition of the working environment | | | | | |
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