**DESCRIPTION OF A STUDY COURSE – SYLLABUS**

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| **Title of a course** | **Quality control** | | | | |
| **Study programme** | **Specialist professional graduate study Occupational Safety** | | | | |
| **Status of a course** | Elective | | | | |
| **Year of study** | 2. | **Semester** | W | **ECTS credits** | 5 |
| **Teaching plan**  **(L + E + S+ Pr)** | 2L+1E | | | | |
| **Goals of a course** | | | | | |
| The aim of the course is to acquaint the student with the basic concepts of quality, quality management, ways of achievement quality, differentiate the concepts of quality control and assurance, and present the process through a case study seminar quality control. | | | | | |
| **Conditions for enrolling course** | | | | | |
| No conditions | | | | | |
| **Expected learning outcomes on a level of a course** | | | | | |
| 1. Explain the implementation of the quality system through the history of the gradual introduction of quality into the work process 2. Differentiate concepts of quality process, assurance and control. 3. Demonstrate the role of quality control in the quality assurance system throughout the quality control process. 4. Describe the quality system audit. | | | | | |
| **Content of a course** | | | | | |
| Role of control in quality assurance system, purpose and goal. Quality control phases. Quality control methods: non-devastating evaluations, functionality evaluations, environmental influence’s evaluation, measurements (characteristics of materials, ionizing radiation, lighting, quality of air and water). Techniques and philosophy of quality control: evaluations and monitoring, corrective activities, feedback information, prevention. National and international quality standards (regulations, guidelines). Methods and procedures of control. Methods and procedures for: collecting, processing, analysis and interpretation of data (statistical methods, sampling plans, determination of processes’ capabilities, computer application in quality control). | | | | | |
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