**DESCRIPTION OF A STUDY COURSE – SYLLABUS**

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| **Title of a course** | **Waste management** | | | | |
| **Study programme** | **Specialist professional graduate study Occupational Safety** | | | | |
| **Status of a course** | Obligatory | | | | |
| **Year of study** | 1. | **Semester** | S | **ECTS credits** | 6 |
| **Teaching plan**  **(L + E + S+ Pr)** | 2+1+1+0 | | | | |
| **Goals of a course** | | | | | |
| Acquire knowledge of the basics of managing different types of waste from different industries and industries. Introduce students to the effects of waste management on man and the environment. Target students to a sustainable waste management system with the most important waste prevention measures in place. | | | | | |
| **Conditions for enrolling course** | | | | | |
| No conditions | | | | | |
| **Expected learning outcomes on a level of a course** | | | | | |
| 1. Connect waste management regulations and distinguish between waste management approaches 2. Determine the sources and type of waste 3. Predict the impact of waste and waste processing on humans and the environment 4. Assess the adequacy of the waste recovery and disposal process according to the type of waste 5. Evaluate different types of waste treatment with respect to the waste type | | | | | |
| **Content of a course** | | | | | |
| Introduction to the problem of waste: Definition, waste matter, waste. Historical overview of the quantity, types and methods of waste disposal. Strategic guidelines and goals of waste management. Waste disposal: Dumping of waste: advantages and disadvantages, dangers to the environment and measures for reducing harmful effects. Mechanical biological treatment: types of procedure, basic concepts, advantages and disadvantages. Waste incineration: advantages and disadvantages, dangers to the environment and measures for reducing harmful effects. The recycling of waste matter, composting of biodegradable waste: advantages and disadvantages | | | | | |
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