**DESCRIPTION OF A STUDY COURSE – SYLLABUS**

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| **Title of a course** | **Safety in hazardous material transportation** | | | | |
| **Study programme** | **Professional undergraduate study Occupational Safety** | | | | |
| **Status of a course** | Obligatory | | | | |
| **Year of study** | 3. | **Semester** | W | **ECTS credits** | 5 |
| **Teaching plan**  **(L + E + S+ Pr)** | 2+2+0+0 | | | | |
| **Goals of a course** | | | | | |
| To acquaint students with the specificities of the transport of dangerous goods by individual branches of traffic, with special attention to the transport of dangerous goods in road and rail. | | | | | |
| **Conditions for enrolling course** | | | | | |
| No conditions | | | | | |
| **Learning outcomes on a level of a study programme which includes course** | | | | | |
| Outcome 1: Apply legal regulations in industry and process industry.  Outcome 2: Determine safety factors in industry.  Outcome 3: Validate protection measures in comparison to dangers occurring in working process.  Outcome 4: Participate in teamwork and present professional contents in Croatian and foreign language in oral and written form. | | | | | |
| **Expected learning outcomes on a level of a course** | | | | | |
| 1. Analizirati opasnosti štetnosti i napore koje javljaju u prijevozu opasnih tvari 2. Argumentirati odabir mjera zaštite  kod manipulacije opasnim tvarima 3. Analizirati specifičnosti prijevoza opasnih tvari po pojedinim granama prometa 4. Primijeniti zakonsku regulativu u prijevozu opasnih tvari   1. Apply legislation when transporting hazardous substances  2. Determine the chemical and physical characteristics of hazardous substances from the aspect of health, environmental and fire protection.  3. Define safety precautions when handling hazardous substances  4. Determine the specificities of hazardous substances transportation by individual branches of transport  5. Describe the documentation accompanying the transport of hazardous substances | | | | | |
| **Content of a course** | | | | | |
| Regulations for hazardous material transportation. Acts. International regulations.  Definition, classification and characteristics of hazardous material. Safety measures in hazardous material transportation according to different types and segments of transport services. Documentation needed in hazardous material transportation. Fire and explosion risk assessment. | | | | | |
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