**DESCRIPTION OF A STUDY COURSE – SYLLABUS**

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| **Title of a course** | **Fire protection in traffic** | | | | |
| **Study programme** | **Specialist professional graduate study Occupational Safety** | | | | |
| **Status of a course** | Obligatory | | | | |
| **Year of study** | 2. | **Semester** | W | **ECTS credits** | 5 |
| **Teaching plan**  **(L + E + S+ Pr)** | 2+1+0+1 | | | | |
| **Goals of a course** | | | | | |
| Identify and analyze the risks of fire on vehicles and anticipate extinguishing and prevention methods. Analyze one known vehicle fire event (road, rail, maritime, air) and conclude why the accident occurred and what should have been preventive measures to the extent that the adverse event does not occur or has less consequence. | | | | | |
| **Conditions for enrolling course** | | | | | |
| No conditions | | | | | |
| **Expected learning outcomes on a level of a course** | | | | | |
| 1. Recognize the risks of fire in vehicles 2. Analyse the risks of fire in vehicles 3. Recommend fire protection measures 4. Analyse fire accidents in transportation 5. Recommend measures for listed adverse events | | | | | |
| **Content of a course** | | | | | |
| Air traffic: generally about safety in air traffic, airplanes, airports, detection and extinguish of fire in airplane, evacuation of people. Road traffic: generally about safety in road traffic, road vehicles, vehicles for transportation of liquids and gasses, tank stations, safety and protection against fire in tunnels, ADR. Railroad traffic: generally about safety in railroad traffic, rail vehicles, wagons for transportation of liquids and gasses, safety against fire in tunnels and underground rail, RID. Maritime transport: generally about safety in maritime transport, ships, stability of ship, specific dangers on sea, appliances and equipment for detection and extinguish of fire, transportation of liquids and gas cargo, fire protection plan, IMO and SOLAS convention. Tubular transportation of gasses and flammable liquids: risks in transportation and storage, warehouses of liquid and gas hydrocarbon, tank stations for liquid and gas hydrocarbon. | | | | | |
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