**DESCRIPTION OF A STUDY COURSE – SYLLABUS**

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| **Title of a course** | **Safety and Quality Management in Telematics** | | | | |
| **Study programme** | **Professional undergraduate study Telematics** | | | | |
| **Status of a course** | Elective | | | | |
| **Year of study** | 2 | **Semester** | S | **ECTS credits** | 5 |
| **Goals of a course** | | | | | |
| Adopt basic terminology of quality and safety in telematics systems and apply methods and tools for quality management. | | | | | |
| **Conditions for enrolling course** | | | | | |
| No conditions | | | | | |
| **Learning outcomes on a level of a study programme which includes course** | | | | | |
| Outcome 6: Design and implement desktop, web and mobile computer applications and computer programs for microcomputers and microcontrollers, with or without a database.  Outcome 8: Design and implement communications and computer networks, as well as network services.  Outcome 10: Analyse and implement an information system in the field of telematics. | | | | | |
| **Expected learning outcomes on a level of a course** | | | | | |
| 1. Understand the principles of complete quality in general and in business operations 2. Explain the meaning of the telematics system quality constituents 3. Suggest and discuss quality standards relevant to a particular telematics system part 4. Apply quality management methods and tools 5. Create a risk assessment model for a telematics system | | | | | |
| **Content of a course** | | | | | |
| Concept and meaning of quality. Quality management as a precondition of success in business. Historical development of quality management. TQM. IS quality assessment – the value of information in a business system. Application of quality standards in the development of information systems. Need for the information system analysis and revision. Assessment of ISO 9001 standards in informatics | | | | | |