**DESCRIPTION OF A STUDY COURSE – SYLLABUS**

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| **Title of a course** | **Multimedia Systems** | | | | |
| **Study programme** | **Professional undergraduate study Telematics** | | | | |
| **Status of a course** | Elective | | | | |
| **Year of study** | 2 | **Semester** | S | **ECTS credits** | 5 |
| **Goals of a course** | | | | | |
| Learn how to interpret features of multimedia system elements. Be able to define the terms of a multimedia system and interpret the basic principles of development and evaluation of multimedia systems. Be able to create simple examples of multimedia products and classify and define the content of multimedia systems. | | | | | |
| **Conditions for enrolling course** | | | | | |
| No conditions | | | | | |
| **Learning outcomes on a level of a study programme which includes course** | | | | | |
| Outcome 4: Use computer principles and methods related to the architecture and organization of computers and computer networks.  Outcome 5: Use computer principles and methods related to programming languages, databases, and operating systems.  Outcome 6: Design and implement desktop, web and mobile computer applications and computer programs for microcomputers and microcontrollers, with or without a database. | | | | | |
| **Expected learning outcomes on a level of a course** | | | | | |
| 1. Interpret features of multimedia system elements. 2. Define the concepts of a multimedia system. 3. Interpret the basic principles of the development and evaluation of multimedia systems. 4. Create simple multimedia product examples. 5. Classify and define the content of multimedia systems. | | | | | |
| **Content of a course** | | | | | |
| Processing of signals for media integration. Interface for the multimedia interaction between a man and a machine. Multimedia communication and networking. Multimedia security and content protection. Multimedia data bases. Multimedia computer systems and tools. Hardware and software support for multimedia systems. Multimedia systems standards. Multimedia application. Multimedia services quality. | | | | | |