**DESCRIPTION OF A STUDY COURSE – SYLLABUS**

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| **Title of a course** | **Enterprise Information System** | | | | |
| **Study programme** | **Professional undergraduate study Telematics** | | | | |
| **Status of a course** | Elective | | | | |
| **Year of study** | 3 | **Semester** | W | **ECTS credits** | 5 |
| **Goals of a course** | | | | | |
| Acquisition of specific competencies in the areas of enterprise information systems and planning and management production systems. From general competencies developing the ability to analyze and synthesize, work independently and work in smaller groups (teamwork) and a view of the results achieved. | | | | | |
| **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.  Outcome 10: Analyse and implement an information system in the field of telematics.  Outcome 12: Design and develop solutions for components, circuits and software for application in computer networks and information systems, with the preparation of supporting project documentation.  Outcome 13: Design and develop solutions for components, circuits and software for application in regulation systems and production processes, with the preparation of supporting project documentation.  Outcome 15: Participate in teamwork and independently present professional content in written and spoken form in Croatian and English. | | | | | |
| **Expected learning outcomes on a level of a course** | | | | | |
| 1. Distinguish types of companies, production, production systems layouts and their balancing. 2. Analyse the throughput of a production system and the management of production and product quality at a company with an information system. 3. Plan production at different levels in a company with an information system. 4. Explain the technical aspects of a company’s information system and decision support system. 5. Describe the development, characteristics and structure of a company’s integrated information system, basic systems for automation in production, and the implementation process of a company’s information system. | | | | | |
| **Content of a course** | | | | | |
| Commercial models: - tradesman vs. client; - eCommerce-a / eBusiness economy; - B2B, B2C, B2E itd., m-Commerce; - Factors of success and examples of success (Yahoo!, Amazon, Ebay); - horizontal application; - payment process; - security; - eMarketing, 1-to-1 Marketing, fun with a goal (online games); -eLearning; - vertical applications; - status quo and examples of success in different fields of trade, - eGovernment: - different fields of technologies and architecture; - personalization, communities, portals; - commerce systems, peer-to-peer (P2P) | | | | | |