**DESCRIPTION OF A STUDY COURSE – SYLLABUS**

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| **Title of a course** | **Transport Logistics** | | | | |
| **Study programme** | **Professional undergraduate study Telematics** | | | | |
| **Status of a course** | Obligatory | | | | |
| **Year of study** | 2 | **Semester** | W | **ECTS credits** | 5 |
| **Goals of a course** | | | | | |
| Introduce students to the basic logistical principles and characteristics of distribution, warehousing and individual branches of traffic. Identify opportunities for the application of information technologies in the field of transport logistics and introduce students to tools that can be used to solve logistics problems. | | | | | |
| **Conditions for enrolling course** | | | | | |
| No conditions | | | | | |
| **Learning outcomes on a level of a study programme which includes course** | | | | | |
| Outcome 10: Analyse and implement an information system in the field of telematics.  Outcome 14: Apply methods of organizing business systems and marketing of products and services in the context of entrepreneurship in telematics.  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. Describe the basic features of logistics, distribution and storage 2. Describe the supply chain management system 3. Apply spreadsheets in solving logistics problems 4. Identify opportunities for the application of information technologies in the field of transport logistics 5. Determine the basic characteristics of products and services, and individual branches of transport | | | | | |
| **Content of a course** | | | | | |
| An outline and explanation of terms and interdependence, as well as basic issues in the field of logistics, the flow of information and material resources; Entrepreneurial logistics: tasks, definition, limits, centres of logistics and their meaning; Organization and process control, order processing and disposition; Supply Chain Management: definition and basics, application of technology, electronic supply chain management, possibility of their use in companies; Supply Chain Execution: tasks and System Electronic Data Interchange in logisitcs: methods and standards, the use of XML. An outline and explanation of transport logistics: tasks, definition, limits; Transport services, business models, networks and organizations; The application of IT- system in transport logistics: systems of dispositions and orders, tour optimization, Tracking + Tracing, Bord - Computer - Systems on vehicles, communication of vehicles; an ouline of the fleet of vehicles system, information system and fleet management, observing cost-benefit when applying fleet management system; a study of the use of cards for fuel in the fleet, cost-benefit EDI to transport logistics: standards and methods, application of XML | | | | | |