**BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS**
**Faculty of Transportation Engineering and Vehicle Engineering**

**Course description**

| 1. Subject name | Transport informatics | | | | |
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| **2. Code** | **KOKKM223** | **3. Evaluation** | exam | **4. Credit** | **5** |
| **5. Seminars per week** | **2 lecture** | **0 practice** | **2 lab** | **6. Curriculum** | **K1** |

| 7. Needed working hours for achieving the requirements of the subject | | | | **150** | |
|---|---|---|---|---|---|
| **Contact hours** | 56 hours | **Preparation for seminars** | 18 hours | **Homework** | 30 hours |
| **Reading written syllabus** | 24 hours | **Exam preparation** | 12 hours | **Final exam preparation** | 10 hours |

| 8. Department | **Department of Transport Technology and Economics** |
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| **9. Responsible lecturer** | Dr. Csiszár Csaba |
| **10. Lecturers** | Dr. Csiszár Csaba, Csonka Bálint |

| 11. Mandatory requirement | - |
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| **12. Recommended requirements** | - |

### 13. Objective of the subject

The subject is based on Transport information systems I. and II. Main topics: modelling of con-cepts, relations and regularities in information systems and applying of these models in trans-portation. The structure and operation of the transportation organizations and operational con-trol processes (preparation, execution and accounting) are also lectured.

### 14. Individual student assignment

The students will get an individual assignment during the semester, the topic will be related to the information technology systems of transportation operation and their modeling/planing and development of a database application.

### 15. Assessment, requirements for examination

The students will write 2 lecture tests and one practical tests, all of them can be retaken or improved once. Minimum requirement for the class mark is passing the individual assignment (gaining half of the maximum points) and passing every written test. The examination will be verbal. The overall mark will be calulated from: the presentation of the individual assignment (50%) and the examination (50%).