| **1. Course title:** Transport Geography and Planning | | | | |
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| **2. Code:** | | **3. Type (lecture, seminar, laboratory):** lecture | | |
| **4. Total of contact hours:** 26 hours | | **5. Number of credits (ECTS):** 3 | | |
| **6. Pre-requisites (max. 3):** none | | | | |
| **7. Announced:** ☐ autumn semester, ☒ spring semester, ☐ both semesters | | | | |
| **8. Limit for participants:** no | | | | |
| **10. Instructor-in-charge (faculty, institute and department):**  Gábor PIRISI, PhD (FS, Institute of Geography, Department of Human Geography and Urban Studies) | | | | |
| **11. Instructor(s) and percentage:** | | Gábor PIRISI | | 100% |
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| **12. Language:** English | | | | |
| **13. Course objectives and learning outcomes:**  *The aim of this course is to expand the students’ human geographical knowledge into the direction to the topic of the flows in geographical space. The course focuses mainly to the general questions, concepts and connections of transportation geography. With successfully fulfilling this course, students will be able to the analyse and evaluate of transportation and communication networks, get knowledge about the different social and economic impact of the different types and branches of transportation.* | | | | |
| **14. Course outline / Milestones**  Week 1 The system of communication and transportation inside the geography.  Week 2 The demand in the transport market. Causes and principles of transport. Transformation of demand by time, the shift of modal change.  Week 3 The supply side of the communication system. The technological evolution and the transformation of networks.  Week 4 Base innovations in transportation. The connection between infrastructure and services.  Week 5 The geographical position and its role in the configuration of transport networks. Primary, secondary and tertiary points in networks. The main topological forms of transport network and their evaluation.  Week 6 The interdependence of transportation and economy.  Week 7 The infrastructure development as tool of regional planning: efforts and contradictions.  Week 8 Transportation and environment. The trap of mobility, the role of external cost. Towards to a more environmental-friendly transportation-system.  Week 9 Some specific problems of railway transport in Europe and in Hungary.  Week 10 Some specific problems of the global air traffic.  Week 11 Some specific problems of inland- and sea navigation.  Week 12 Transport policies in the European Union and in Hungary: scopes and tools.  Week 13 The transport infrastructure development as a tool a regional development: efforts, economic benefits and question marks. Integrated planning in regional and metropolitan transport systems. | | | | |
| **15. Mid-semester works**  none | | | | |
| **16. Summative assessment, formative assessment**  Written test, evaluated as:  just less than 50% = 1  50 to 64.99% = 2  65 to 74.99% = 3  75 to 84.99% = 4  85+% = 5 | | | | |
| **17. Reading assignments:**   1. Hoyle, B.S. – Knowles, R. (ed). 1998: Modern Transport Geography, Wiley, 382 p. | | | | |
| **18. Recommended texts:**  [1] Haggett, P. 2001: Geography: A Global Synthesis  [2] Daniels, et. al 2008: An Introduction to Human Geography: Issues for the 21st Century | | | | |
| **Date** | 13 November, 2017 | **Prepared** |  | |
| Gábor PIRISI PhD  instructor-in-charge | |
| **Endorsed** | | |  | |
| András TRÓCSÁNYI PhD leader of the program | |