**Course Syllabus**

Academic year: 2020-2021

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| Institution | University of Petroşani |
| Faculty | Mechanical and Electrical Engineering |
| Field of study | Transports Engineering |
| Level | Bachelor |
| Program of study | Transports Engineering |

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| Course | **Multimodal Transport** |
| Code | 2TT5OD38 |
| Year of study (semester) | IV (7) |
| Number of hours | 28 |
| Number of credits | 5 |
| Professor | Assoc. prof. PhD eng. Andrei ANDRAȘ |

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| **No.** | **Topic** |
|  | Introduction. Fundamentals of Transportation |
|  | Human mobility and Transportation. Design for Pedestrians. Design for Bycicles. |
|  | Trucking and Drayage. Truck routing problem. |
|  | Rail Transport (Overview). Track and Infrastructure. Rolling Stock. |
|  | Water Transport (Ports and Waterways). Maritime Transport. Inland Marine |
|  | Transport by air. Air Freight Operations. |
|  | Pipeline transportation. |
|  | Urban street design. Multimodal performance measurement. |
|  | Multimodality and Intermodal Transfer |