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| **AKADEMIA WSB** | | | | | | | | |
| **Field/Course of study: Transport** | | | | | | | | |
| **Subject: Means of transport** | | | | | | | | |
| **Profile of education: practice** | | | | | | | | |
| **Education level: Second level studies** | | | | | | | | |
| **Number of hours per semester** | | 1 | | | | 2 | | |
| I | | II | | III | | **IV** |
| **Full-time studies**  (l/ex/lab/pr/e)\* | |  | |  | |  | | **30ex** |
| **Part-time studies** (l/ex/lab/pr/e) | |  | |  | |  | |  |
| **Language of subject** | | English | | | | | | |
| **Lecturer** | | PhD Eng. Paweł Sobczak | | | | | | |
| **Form of subject** | | Exercises, consultations | | | | | | |
| **Aim of subject** | | Provision of information on the types and purpose of individual means of transport | | | | | | |
| **Reference to learning outcomes** | | | **Description of learning outcomes** | | | | **The way of verifying the effect of learning outcomes** | |
| **Learning outcomes** | **PRK** | |
| **KNOWLEDGE** | | | | | | | | |
| T2\_W02 | P7S\_WG | | Knows the types of transport to an in-depth degree; | | | | Exercises during classes; | |
| T2\_W02 | P7S\_WG | | Lists and distinguishes between means of transport; | | | | Exercises during classes; | |
| **SKILLS** | | | | | | | | |
| T 2\_U01 | P7S\_UW | | Describes the means of transport; | | | | Exercises during classes; | |
| T 2\_U01 | P7S\_UW | | Selects means of transport depending on transport needs; | | | | Exercises during classes; | |
| **SOCIAL COMPETENCES** | | | | | | | | |
| T2 \_K01 | P7S\_KK | | remains open to new issues and knowledge | | | | Exercises during classes | |
| **Student workload (in teaching hours 1 hour = 45 minutes)\*\*** | | | | | | | | |
| **Full-time studied**  Participation in lectures =  Participation in excercises =30h  Excercises preparation =8h  Lectures preparation =  Exam preparation =8h  Realization of project tasks =  e-learning =  Exam =  Other (which) = consultations 4h  **TOTAL:75h**  **Number of ECTS points:3**  **Including practical courses:3** | | | | | **Full-time studied**  Participation in lectures =  Participation in excercises =  Excercises preparation =  Lectures preparation =  Exam preparation =  Realization of project tasks =  e-learning =  Exam =  Other (which) =  **TOTAL:**  **Number of ECTS points:**  **Including practical courses:** | | | |
| **PREREQUISITES** | None | | | | | | | |
| **CONTENT OF SUBJECT**  (divided on direct and e-learning) | Content implemented in a direct format:  Exercise:   1. Types of transport modes 2. Types of means of transport and their functionality 3. Selection of the means of transport depending on the task to be done   Content implemented in a indirect format: not applicable | | | | | | | |
| **REQUIRED LITERATURE** | Universitat Duisburg Essen PDF e-Book Means of Transport and Equipment: https://www.uni-due.de/~kte010/modularte/html/main\_modules/thoughtData/57/Means%20of%20Transport%20and%20Equipment.pdf  RAIL TRANSPORTATION, [Express Publishing (obra colectiva)](https://www.libristo.pl/autorzy/Express%20Publishing%20(obra%20colectiva).html) wyd. Express 2019; | | | | | | | |
| **ADDITIONAL LITERATURE**  (min. 2 pieces in English, books or articles) | [Wojewódzka-Król](https://ksiegarnia.pwn.pl/autor/Krystyna-Wojewodzka-Krol,a,74650835) K., [Rolbiecki R](https://ksiegarnia.pwn.pl/autor/Rolbiecki-Ryszard,a,736385065" \o "Rolbiecki Ryszard)., Infrastruktura transportu. Europa, Polska – teoria i praktyka,  PWN 2018;  [Wojewódzka-Król](https://ksiegarnia.pwn.pl/autor/Krystyna-Wojewodzka-Krol,a,74650835) K., [Załoga](https://ksiegarnia.pwn.pl/autor/Elzbieta-Zaloga,a,318472199) E., Innowacje w transporcie. Zrównoważony rozwój. Integracja gałęzi transport. Sztuczna inteligencja, PWN 2021;  Rydzkowski W., Wojewódzka-Król K.: Transport. PWN, Warszawa 2011;  Markusik S.: Infrastruktura logistyczna w transporcie. Tom 1. Środki transportu. Wydawnictwo Politechniki Śląskiej, Gliwice 2009; | | | | | | | |
| **TEACHING METHODS**  (split of direction and indirection form) | Direct form:  A presentation includes a slideshow of knowledge content, exercises with case-studies  E-learning: not applicable | | | | | | | |
| **TEACHING AIDS** | Movies, Presentation with slideshow, case studies | | | | | | | |
| **PROJECT**  (if it is realized) | Not applicable | | | | | | | |
| **FORM AND PASSING CONDITION**  (divided into direct and e-learning) | Performing exercises during classes | | | | | | | |

*\* L-lecture, ex-exercises, lab- lab, pro- project, e- e-learning*