

|  |    |   |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
|--|----|---|---|-----------------------|----|-------------------|----------------------------------|--------------------------------|---------------------------------|-------------------------|---------|--|
| <b>Course title</b>  |    | Transport in logistics and mobility   |   |                       |    |                   |                                  | <b>ECTS code</b>               |                                 | 14.3.EE.SZ.3595         |         |  |
|  |    |   |   |                       |    |                   |                                  | <b>ECTS credits</b>            |                                 | 3                       |         |  |
| <b>Name of unit administrating study</b>   |    | KPTiIG  |   | <b>Field of study</b> |    | Economics         |                                  | <b>Field of specialisation</b> |                                 | L&M;                    |         |  |
| <b>Teaching staff</b>  |    | Maria Matusiewicz, Ph.D.  |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Number of hours</b>   |    |   |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Lectures</b>  | 15 | <b>Classes</b>  | 0   | <b>Tutorials</b>      | 15 | <b>Laboratory</b> | 0                                | <b>Seminars</b>                | 0                               | <b>Language classes</b> | 0       |  |
| <b>Forma aktywności</b>  |    |   |   |                       |    |                   | <b>Year&amp;Type of studies*</b> |                                | 2 SS2,                          |                         |         |  |
| <b>Hours with the participation of the academic teacher (including office hours, exams, others):</b>       |    |   |   |                       |    |                   | <b>Semester:</b>                 |                                | 3,                              |                         |         |  |
| <b>Hours without the participation of the academic teacher (student's self-study, homeworks):</b>          |    |   |   |                       |    |                   | <b>Type of course:</b>           |                                | obligatory                      |                         |         |  |
| <b>Total number of hours:</b>  |    |   |   |                       |    |                   | 0                                |                                | <b>Language of instruction:</b> |                         | English |  |
| <b>Teaching form</b>   |    | in-class learning<br>Wydział Ekonomiczny  |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Teaching methods</b>  |    | Activating methods in training classes, Lectures including multimodal presentations, Discussion, questioning,   |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Prerequisites (required courses and introductory requirements)</b>                                      |    |   |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Required courses</b>  |    | The student should have basic knowledge of transport:<br><br>types and modes of transport, strengths and weaknesses of individual modes of transport  |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Introductory requirements</b>   |    |   |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Assessment method, forms and criteria</b>   |    |   |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Assessment method</b>   |    | Exam  |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Assessment criteria</b>   |    | During the classes, students work together on a selected subject, using activating methods, eg BYO. The second part of the course is a discussion and verbal verification of the collected information. Students earn points for being active.<br><br>Final credit in the form of a written exam with open and closed questions. Supplementary deadlines - oral exam. |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Course objectives</b>   |    |   |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| The aim of the course is to acquire knowledge related to the key role of transport in logistics processes. |    |   |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Learning outcomes</b>   |    |   |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Knowledge</b>   |    | E2_W04  | knows different types of economic and social ties and regularities governing them; has an in-depth knowledge of economic and financial ties between enterprises   |                       |    |                   |                                  |                                |                                 |                         |         |  |
|  |    | E2_W07  | has an in-depth knowledge of economic and financial principles governing the functioning and management of economic entities and organisations, as well as of systems of legal, organisational, professional, moral and ethical norms and rules organising public structures and institutions, both in the national and international spheres |                       |    |                   |                                  |                                |                                 |                         |         |  |
|  |    | E2_W08  | has an in-depth knowledge of processes occurring in enterprises and economic organisations and with related areas, as well as of processes of change in public institutions; knows methods of research on the regularities governing these changes, taking into account the influence of external stakeholders on them                        |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Verification of learning outcomes - Knowledge</b>   |    |   |   |                       |    |                   |                                  |                                |                                 |                         |         |  |
| <b>Outcomes</b>  |    |   |   |                       |    |                   |                                  |                                |                                 |                         |         |  |

|        | written exam | oral exam | test | essay/paper /portfolio | tasks/ homeworks | individual presentation | group presentation | classroom activities | classroom discussion | individual project | group project |
|--------|--------------|-----------|------|------------------------|------------------|-------------------------|--------------------|----------------------|----------------------|--------------------|---------------|
| E2_W04 | X            | X         |      |                        |                  | X                       |                    | X                    | X                    | X                  |               |
| E2_W07 | X            | X         |      |                        |                  | X                       |                    | X                    | X                    | X                  |               |
| E2_W08 | X            | X         |      |                        |                  | X                       |                    | X                    | X                    | X                  |               |

|        |        |  |  |  |  |  |  |  |  |  |  |
|--------|--------|--|--|--|--|--|--|--|--|--|--|
| Skills | E2_U01 | can creatively interpret and explain economic and social phenomena and relations between them, using acquired knowledge of economics, finance and management sciences  |  |  |  |  |  |  |  |  |  |
|        | E2_U02 | can use acquired knowledge to describe and analyse the causes and course of economic and social processes and phenomena, and can formulate his/her own opinions and critically select data and analysis methods based on the achievements of economic and social sciences  |  |  |  |  |  |  |  |  |  |
|        | E2_U10 | has an advanced ability to prepare specialist oral presentations, in Polish and a foreign language, on economic and social issues, using specialist theoretical approaches, the principles of collecting various sources of data, their description and interpretation, and drawing conclusions based on scientific literature; can prepare and conduct a debate |  |  |  |  |  |  |  |  |  |

**Verification of learning outcomes - Skills**

| Outcomes | written exam | oral exam | test | essay/paper /portfolio | tasks/ homeworks | individual presentation | group presentation | classroom activities | classroom discussion | individual project | group project |
|----------|--------------|-----------|------|------------------------|------------------|-------------------------|--------------------|----------------------|----------------------|--------------------|---------------|
| E2_U01   |              |           |      |                        |                  | X                       |                    | X                    | X                    | X                  |               |
| E2_U02   |              |           |      |                        |                  | X                       |                    | X                    | X                    | X                  |               |
| E2_U10   |              |           |      |                        |                  | X                       |                    | X                    | X                    | X                  |               |

|           |        |   |  |  |  |  |  |  |  |  |  |
|-----------|--------|---|--|--|--|--|--|--|--|--|--|
| Attitudes | E2_K05 | correctly identifies, diagnoses and solves dilemmas and alternative solutions related to the profession |  |  |  |  |  |  |  |  |  |
|-----------|--------|---|--|--|--|--|--|--|--|--|--|

**Verification of learning outcomes - Attitudes**

| Outcomes | written exam | oral exam | test | essay/paper /portfolio | tasks/ homeworks | individual presentation | group presentation | classroom activities | classroom discussion | individual project | group project |
|----------|--------------|-----------|------|------------------------|------------------|-------------------------|--------------------|----------------------|----------------------|--------------------|---------------|
| E2_K05   | X            | X         |      |                        |                  |                         |                    | X                    | X                    | X                  |               |

**Course contents**

The specificity of transport, complementarity, its place in logistic processes

Technical and economic attractiveness of individual branches from the perspective of load managers

The use of modes of transport in the processes of goods flow

Transport demands of entities creating supply chains towards suppliers of transport services

Costs in the modes of transport as a factor of logistic costs

Intermodal transport in logistic chains (concept, forms, limitations)

Supply chain disruptions

Sea ports as logistic centers

**Recommended reading lists**

- J. Rudd, Practical Guide to Logistics, Kogan Page 2019.



- M. Matusiewicz, Logistics of the Future&mdash;Physical Internet and Its Practicality, Transportation Journal, Vol. 59, No. 2, pp. 200-214, Penn State University Press 2020.
- M. Bąk (ed.), Transport Development Challenges in the Twenty-First Century, Proceedings of the 2015 TranSopot Conference, Springer 2016.

Contact

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\* SS1- undergraduate studies \* SS2 - graduate studies \* SDang - doctoral studies  
\*\* MSG - International Economic Relations