

**Subject card**

|  |   |  |                        |                                     |  |            |     |
|--|---|--|------------------------|-------------------------------------|--|------------|-----|
| <b>Subject name and code</b>                       | Sustainable Urban Mobility, PG_00119511   |  |                        |                                     |  |            |     |
| <b>Field of study</b>                              | Economics   |  |                        |                                     |  |            |     |
| <b>Date of commencement of studies</b>             | October 2024  | <b>Academic year of realisation of subject</b>           |                        |                                     | 2026/2027  |            |     |
| <b>Education level</b>                             | undergraduate studies   | <b>Subject group</b>                                     |                        |                                     | Obligatory subject group in the field of study<br>Optional subject group |            |     |
| <b>Mode of study</b>                               | part-time studies   | <b>Mode of delivery</b>                                  |                        |                                     | at the university  |            |     |
| <b>Year of study</b>                               | 3   | <b>Language of instruction</b>                           |                        |                                     | Polish   |            |     |
| <b>Semester of study</b>                           | 6   | <b>ECTS credits</b>                                      |                        |                                     | 2.0  |            |     |
| <b>Learning profile</b>                            | academic  | <b>Assessment form</b>                                   |                        |                                     |  |            |     |
| <b>Conducting unit</b>                             |   |  |                        |                                     |  |            |     |
| <b>Name and surname of lecturer (lecturers)</b>    | <b>Subject supervisor</b>   |  | dr Aleksander Jagiełło |                                     |  |            |     |
|  | <b>Teachers</b>   |  | dr Aleksander Jagiełło |                                     |  |            |     |
| <b>Lesson types</b>                                | <b>Lesson type</b>  | Lecture  | Tutorial               | Laboratory                          | Project  | Seminar    | SUM |
|  | <b>Number of study hours</b>  | 0.0  | 10.0                   | 0.0                                 | 0.0  | 0.0        | 10  |
|  | E-learning hours included: 0.0  |  |                        |                                     |  |            |     |
| <b>Learning activity and number of study hours</b> | <b>Learning activity</b>  | Participation in didactic classes included in study plan |                        | Participation in consultation hours |  | Self-study | SUM |
|  | <b>Number of study hours</b>  | 10   |                        | 0.0                                 |  | 0.0        | 10  |
| <b>Subject objectives</b>                          | The objective of the course is to familiarize students with issues related to sustainable urban mobility, including its planning and the conditions for effective implementation. |  |                        |                                     |  |            |     |

| Learning outcomes | Course outcome   | Subject outcome   | Method of verification  |
|-------------------|--|---|---|
|                   | [EKONL3_U01] can correctly interpret economic and social phenomena and apply knowledge of economics, finance and management sciences to explain economic phenomena   | E1_U01 The student can correctly interpret phenomena occurring in the urban transport system and apply knowledge of economics, finance, and management sciences to explain economic phenomena in the urban transport sector.  | [SU1] oral statement/conversation/discussion<br>[SU2] presentation/project/paper/report |
|                   | [EKONL3_K04] is willing to think and act in an entrepreneurial manner; adapts to new situations and conditions, takes on the challenges of creative thinking, is resilient in the face of failure, is able to identify risks and assess the risks of failure | E1_K04 The student is ready to think and act entrepreneurially; adapts to new situations and conditions, takes on the challenges of creative thinking, is resilient to failures, and can identify threats and assess the risk of their occurrence in planning sustainable urban mobility. | [SK1] oral statement/conversation/discussion<br>[SK2] presentation/project/paper/report |
|                   | [EKONL3_U03] is able to analyse the causes and course of specific economic and social processes and phenomena, and accurately analyse these phenomena using adequate methods and tools economic and social   | E1_U03 The student can analyze the causes and course of economic and social processes and phenomena in the field of planning sustainable urban mobility and accurately analyze these phenomena using appropriate economic and social methods and tools.                                   | [SU1] oral statement/conversation/discussion<br>[SU2] presentation/project/paper/report |
|                   | [EKONL3_U02] is able to use the knowledge of theory and data to analyse concrete economic and social processes and phenomena and to analyse these phenomena using methods developed in economics, finance and management sciences                            | E1_U02 The student can utilize theoretical knowledge and acquire data to analyze processes and phenomena in the urban transport sector and analyze these phenomena using methods developed in economics, finance, and management sciences.  | [SU1] oral statement/conversation/discussion<br>[SU2] presentation/project/paper/report |
|                   | [EKONL3_W02] has advanced knowledge of the different types of existing business entities and organisations and public institutions   | E1_W02 The student has advanced knowledge of economic entities and organizations as well as public institutions responsible for shaping sustainable urban mobility.   | [SW1] oral statement/conversation/discussion<br>[SW2] presentation/project/paper/report |
|                   | [EKONL3_W03] has advanced knowledge of the relations between economic agents and social organisations operating in the national, international and intercultural arenas  | E1_W03 The student has advanced knowledge of the relationships between economic entities and public institutions involved in the design of sustainable mobility in cities.  | [SW1] oral statement/conversation/discussion<br>[SW2] presentation/project/paper/report |
|                   | [EKONL3_U07] is able to participate in analyses and evaluations of alternative solutions to economic and social problems and to choose the methods and instruments to resolve them rationally  | E1_U07 The student can participate in the analysis and evaluation of alternative solutions to economic and social problems and select methods and instruments that allow for rational resolution to effectively design sustainable urban mobility.  | [SU1] oral statement/conversation/discussion<br>[SU2] presentation/project/paper/report |
|                   | [EKONL3_W04] knows the types of economic and social ties and the regularities governing them   | E1_W04 The student knows the types of economic and social ties and the principles governing them in the urban transport sector.   | [SW1] oral statement/conversation/discussion<br>[SW2] presentation/project/paper/report |
|                   | [EKONL3_K06] is willing to be guided in his professional life by business ethics and corporate social responsibility, to respect others and to be loyal to his employer  | E1_K06 The student is ready to adhere to business ethics and corporate social responsibility, respect others, and be loyal to the employer in professional life.  | [SK1] oral statement/conversation/discussion<br>[SK2] presentation/project/paper/report |
|                   | [EKONL3_K01] recognises the importance of economic knowledge in identifying and solving economic problems and of consulting experts when difficulties in solving them independently  | E1_K01 The student recognizes the importance of knowledge in economics in identifying and solving economic problems in the field of transport and seeks expert opinions in sustainable urban mobility when having difficulty solving them independently.                                  | [SK1] oral statement/conversation/discussion<br>[SK2] presentation/project/paper/report |

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|---------------------------------|--|--|-------------------------------|
| Subject contents                | <p><b>I. Contemporary Urban Transport Problems</b></p> <ol style="list-style-type: none"> <li>1. <b>Impact of Urban Spatial Development on Transport Services for Residents</b></li> <li>2. <b>Excessive Use of Private Cars in Daily Mobility</b></li> <li>3. <b>Transport Congestion and Its Consequences</b></li> <li>4. <b>Inadequate Public Transport Offerings to Meet Urban Residents' Needs</b></li> </ol> <p><b>II. Sustainable Urban Mobility Policy</b></p> <ol style="list-style-type: none"> <li>1. <b>Mobility Planning vs. Transport Planning</b></li> <li>2. <b>Elements of Sustainable Urban Mobility Policy</b></li> <li>3. <b>Implementation of Sustainable Urban Mobility Policy</b></li> </ol> <p><b>III. Sustainable Urban Mobility Plan as a Strategic Document</b></p> <ol style="list-style-type: none"> <li>1. <b>Sustainable Urban Mobility Plan and Other Strategic Documents</b></li> <li>2. <b>Partnership in Sustainable Urban Mobility Planning</b></li> <li>3. <b>Levels of Sustainable Urban Mobility Planning (District, City, Metropolitan)</b></li> </ol> <p><b>IV. Process of Developing and Implementing the Sustainable Urban Mobility Plan</b></p> <ol style="list-style-type: none"> <li>1. <b>Essential Elements of the Sustainable Urban Mobility Plan</b></li> <li>2. <b>Stages of Creating a Sustainable Urban Mobility Plan</b></li> <li>3. <b>Monitoring the Sustainable Urban Mobility Plan</b></li> </ol> <p><b>V. Integration of Transport to Meet Transportation Needs</b></p> <ol style="list-style-type: none"> <li>1. <b>Concept and Rationale for Integration in Transport</b></li> <li>2. <b>Areas of Transport Integration in Cities</b></li> <li>3. <b>Mobility-as-a-Service as a Modern Integration Solution</b></li> </ol> <p><b>VI. Urban Public Transport</b></p> <ol style="list-style-type: none"> <li>1. <b>Role of Public Transport in Sustainable Mobility</b></li> <li>2. <b>Public Transport in Comparison to Other Forms of Urban Mobility</b></li> <li>3. <b>Development Directions for Public Transport</b></li> </ol> <p><b>VII. Active Mobility</b></p> <ol style="list-style-type: none"> <li>1. <b>Walking as the Primary Mode of Movement in Sustainable Cities</b></li> <li>2. <b>Cycling in Cities</b></li> <li>3. <b>Issues in Studying Active Mobility</b></li> </ol> <p><b>VIII. Shared Mobility in Cities</b></p> <ol style="list-style-type: none"> <li>1. <b>Concept of the Sharing Economy</b></li> <li>2. <b>Evolution of Bike-sharing Systems</b></li> <li>3. <b>Benefits of Vehicle Sharing in Cities</b></li> <li>4. <b>Current Problems in Managing Shared Mobility</b></li> </ol> |  |                               |
| Prerequisites and co-requisites | Understanding Basic Economic Issues  |  |                               |
| Assessment methods and criteria | Subject passing criteria   | Passing threshold  | Percentage of the final grade |
|                                 | Project  | 51.0%  | 100.0%                        |
| Recommended reading             | Basic literature   | <p>K. Grzelec, K. Hebel, O. Wyszomirski: Zarządzanie zbiorowym transportem miejskim w warunkach polityki zrównoważonej mobilności. Wyd. Uniwersytetu Gdańskiego, Gdańsk 2020</p> <p>Opracowanie i wdrożenie planu zrównoważonej mobilności miejskiej. Wytyczne. Europejska Platforma dotycząca Planów Zrównoważonej Mobilności Miejskiej, Komisja Europejska 2014. <a href="https://www.eltis.org/sites/default/files/BUIMP_Guidelines_PL.pdf">https://www.eltis.org/sites/default/files/BUIMP_Guidelines_PL.pdf</a></p> |                               |

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|--|--------------------------|---|
|  | Supplementary literature | <p>T. Bieliński, Ł. Dopierała, M. Tarkowski, A. Ważna: Lessons from Implementing a Metropolitan Electric Bike Sharing System, "Energies" 2020, nr 13(23), 6240, <a href="https://www.mdpi.com/1996-1073/13/23/6240/htm">https://www.mdpi.com/1996-1073/13/23/6240/htm</a></p> <p>A. Jagiełło: Elektromobilność w kształtowaniu rozwoju drogowego transportu miejskiego w Polsce. Wyd. Uniwersytetu Gdańskiego, Gdańsk 2021</p> <p>A. Koźlak: Mobility-as-a Service jako postęp w integracji transportu, Prace Komisji Geografii Komunikacji PTG" 2020, nr 23(5), <a href="http://dx.doi.org/10.4467/2543859XPKG.20.028.13245">http://dx.doi.org/10.4467/2543859XPKG.20.028.13245</a></p> <p>A. Koźlak: Gospodarcze, społeczne i ekologiczne skutki kongestii transportowej, Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu" 2015, nr 402 Polityka ekonomiczna, s. 153-164, <a href="https://dbc.wroc.pl/Content/30555/PDF/Kozlak_Gospodarcze_Spoleczne_i_Ekologiczne_Skutki_Kongestii_2015">https://dbc.wroc.pl/Content/30555/PDF/Kozlak_Gospodarcze_Spoleczne_i_Ekologiczne_Skutki_Kongestii_2015</a></p> <p>R. Okraszewska, A. Romanowska, M. Wołek, J. Oskarbski, K. Birr, K. Jamroz: Integration of a Multilevel Transport System Model into Sustainable Urban Mobility Planning, "Sustainability" 2018 nr 10, <a href="https://www.mdpi.com/2071-1050/10/2/479/htm">https://www.mdpi.com/2071-1050/10/2/479/htm</a></p> <p>Przewodnik do opracowywania planów zrównoważonej mobilności miejskiej, red. M. Wołek, Fundacja Rozwoju Uniwersytetu Gdańskiego, Gdańsk 2016, <a href="http://ekonom.ug.edu.pl/web/download.php?OpenFile=2186">http://ekonom.ug.edu.pl/web/download.php?OpenFile=2186</a></p> |
|  | eResources addresses     | Adresy na platformie eNauczanie:  |
| Example issues/<br>example questions/<br>tasks being completed |                          |   |
| Work placement   | Not applicable           |   |

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