

Subject card

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|--|---|--|---------------------------|-------------------------------------|--|------------|-----|
| Subject name and code | Sustainable Urban Mobility, PG_00119510 | | | | | | |
| Field of study | Economics | | | | | | |
| Date of commencement of studies | October 2024 | Academic year of realisation of subject | | | 2026/2027 | | |
| Education level | undergraduate studies | Subject group | | | Obligatory subject group in the field of study Optional subject group | | |
| Mode of study | part-time studies | Mode of delivery | | | at the university | | |
| Year of study | 3 | Language of instruction | | | Polish | | |
| Semester of study | 6 | ECTS credits | | | 2.0 | | |
| Learning profile | academic | Assessment form | | | | | |
| Conducting unit | | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr hab. Marcin Wołek | | | | |
| | Teachers | | dr hab. Aleksandra Koźlak | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 10 | | 0.0 | | 0.0 | 10 |
| Subject objectives | 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_W04] knows the types of economic and social ties and the regularities governing them | The student knows the types of economic and social ties and the principles governing them in the urban transport sector. | [SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion |
| | [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 | 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 [SK4] test/exam - oral or written |
| | [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 | 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 [SK4] test/exam - oral or written |
| | [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 | 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 [SU4] test/exam - oral or written |
| | [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 | 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 [SU4] test/exam - oral or written |
| | [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 | 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 [SU4] test/exam - oral or written |
| | [EKONL3_U01] can correctly interpret economic and social phenomena and apply knowledge of economics, finance and management sciences to explain economic phenomena | 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 [SU4] test/exam - oral or written |
| | [EKONL3_W02] has advanced knowledge of the different types of existing business entities and organisations and public institutions | The student has advanced knowledge of economic entities and organizations as well as public institutions responsible for shaping sustainable urban mobility. | [SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion |
| | [EKONL3_K01] recognises the importance of economic knowledge in identifying and solving economic problems and of consulting experts when difficulties in solving them independently | 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 [SK4] test/exam - oral or written |
| [EKONL3_W03] has advanced knowledge of the relations between economic agents and social organisations operating in the national, international and intercultural arenas | The student has advanced knowledge of the relationships between economic entities and public institutions involved in the design of sustainable mobility in cities. | [SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion | |

| Subject contents | <p>I. Contemporary transport problems of cities1) The impact of spatial development of cities on the transport services of residents2) Excessive use of passenger cars in everyday mobility3) Transport congestion and its effects4) Failure to adapt the public transport offer to the needs of city residentsII. Sustainable urban mobility policy1) Mobility planning and transport planning2) Elements of sustainable urban mobility policy3) Implementation of sustainable urban mobility policyIII. Sustainable Urban Mobility Plan as a strategic document1) Sustainable Urban Mobility Plan and other strategic documents2) Partnership in planning sustainable urban mobility3) Levels of sustainable urban mobility planning (district, city, metropolitan)IV. The process of developing and implementing the Sustainable Urban Mobility Plan1) Essential elements of the sustainable urban mobility plan2) Stages of creating a sustainable urban mobility plan3) Monitoring the sustainable urban mobility planV. Integration of transport in serving transport needs1) The concept and premises of integration in transport2) Areas of transport integration in cities3) Mobility-as-a-Service as a modern integration solutionVI. Public urban transport1) The role of public transport in sustainable mobility2) Public transport against the background of other forms of urban movement3) Directions of development of public transportVII. Active mobility1) Pedestrian movement as the basic mode of movement in sustainable cities2) Bicycle communication in cities3) Issues of researching active mobilityVIII. Shared mobility in cities1) The concept of the sharing economy 2) The evolution of bike-sharing systems 3) Benefits of sharing vehicles in cities 4) Current problems in managing shared mobility</p> | | | | | | | | |
|---------------------------------|---|---|--|--------------------------|-------------------|-------------------------------|--------------|-------|--------|
| Prerequisites and co-requisites | Understanding Basic Economic Issues | | | | | | | | |
| Assessment methods and criteria | <table border="1" data-bbox="448 808 1489 873"> <thead> <tr> <th data-bbox="448 808 794 840">Subject passing criteria</th> <th data-bbox="794 808 1141 840">Passing threshold</th> <th data-bbox="1141 808 1489 840">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="448 840 794 873">Writing exam</td> <td data-bbox="794 840 1141 873">60.0%</td> <td data-bbox="1141 840 1489 873">100.0%</td> </tr> </tbody> </table> | | | Subject passing criteria | Passing threshold | Percentage of the final grade | Writing exam | 60.0% | 100.0% |
| Subject passing criteria | Passing threshold | Percentage of the final grade | | | | | | | |
| Writing exam | 60.0% | 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. Wytoczne. Europejska Platforma dotycząca Planów Zrównoważonej Mobilności Miejskiej, Komisja Europejska 2014. https://www.eltis.org/sites/default/files/BUMP_Guidelines_PL.pdf</p> | | | | | | | |
| | 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, https://www.mdpi.com/1996-1073/13/23/6240/htm</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), http://dx.doi.org/10.4467/2543859XPKG.20.028.13245</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, https://dbc.wroc.pl/Content/30555/PDF/Kozlak_Gospodarcze_Spoleczne_i_Ekologiczne_Skutki_Kongestii_2015.pdf</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, https://www.mdpi.com/2071-1050/10/2/479/htm</p> <p>Przewodnik do opracowywania planów zrównoważonej mobilności miejskiej, red. M. Wołek, Fundacja Rozwoju Uniwersytetu Gdańskiego, Gdańsk 2016, http://ekonom.ug.edu.pl/web/download.php?OpenFile=2186</p> | | | | | | | |
| | eResources addresses | Adresy na platformie eNauczanie: | | | | | | | |

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| Example issues/ example questions/ tasks being completed | 1. Differences between traditional transport planning and sustainable mobility planning.2. Differences in the methodological approach to calculating modal split in cities.3. The significance of the concept of walkability.4. Trends in urban logistics development. |
| Work placement | Not applicable |

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