

<b>Course title</b>		Sustainable Mobility Management						<b>ECTS code</b>		14.3.EE.SL.3631		
								<b>ECTS credits</b>		1		
<b>Name of unit administrating study</b>		KRT		<b>Field of study</b>		Economics		<b>Field of specialisation</b>		L&M;		
<b>Teaching staff</b>		Dariusz Tłoczyński, Associate Professor ; Katarzyna Hebel, Associate Professor ; Krzysztof Grzelec, Associate Professor ; Joanna Czerepko, Ph.D.										
<b>Number of hours</b>												
<b>Lectures</b>	0	<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>		1 SS2,			
Hours with the participation of the academic teacher (including office hours, exams, others):							<b>Semester:</b>		2,			
Hours without the participation of the academic teacher (student's self-study, homeworks):							<b>Type of course:</b>		obligatory			
Total number of hours:							0		<b>Language of instruction:</b>		English	
<b>Teaching form</b>		in-class learning										
<b>Teaching methods</b>		Lectures including multimodal presentations, Collaborating, group activities, Discussion, questioning, Case studies,										
<b>Prerequisites (required courses and introductory requirements)</b>												
<b>Required courses</b>		Logistics and mobility Modeling Managerial Economics										
<b>Introductory requirements</b>		Basic knowledge of economics										
<b>Assessment method, forms and criteria</b>												
<b>Assessment method</b>		Course completion (graded)										
<b>Assessment criteria</b>		5,0 - 91% and more 4,5 - 81%-90% 4,0 - 71%-80% 3,5 - 61%-70% 3,0 - 51%-60% 2,0 - 50% and less										
<b>Course objectives</b>												
Knowledge of the scientific field of sustainable mobility management												
<b>Learning outcomes</b>												
<b>Knowledge</b>		E2_W05		Student has an extended knowledge of the human being as a manufacturer and consumer and extended knowledge of the human being as a creator of culture and social structures								
<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_W05				X			X	X	X	X		
<b>Skills</b>		E2_U06		Student can practically apply various forms and range of acquired knowledge in economics, finance and management, supplementing it with an independent critical analysis of its efficiency and usefulness								

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_U06						X	X	X	X		
Attitudes	E2_K03		Student inspires and organises preparation of economic and social projects, following the idea of sustainable development, reconciling legal, economic, ecological, political and social requirements								

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_K03						X	X	X	X		

Course contents											
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1. Sustainable mobility as an economic concept
  - Sustainability concept in economics
  - Nature of mobility
  - Mobility management
2. European and Polish framework for the sustainable mobility management
  - European Union policy regarding sustainable mobility
  - Polish policies regarding sustainable mobility
  - Selected countries national framework for the sustainable mobility
3. Determinants of sustainable mobility development
  - Challenges and directions of development
  - Management of sustainable mobility development
  - Environmental policy in the concept of sustainable mobility
4. Mobility management services in achieving transport needs
  - Shared mobility a new response to transport needs
  - Worldwide experience with shared mobility services
  - Shared mobility services in Poland
5. Mobility management in air transport
  - Airport - a gateway to the city
  - Airports links as an element sustainable transport systems
  - Direct and indirect connections
6. Regional airport as an engine for regional economy - case study
7. Mobility management in railway transport
  - Infrastructure of railway transport
  - Railway on passenger market
  - Railway on freight market: from railway operator to logistics operator
8. Mobility management in urban transport

- Public transport as a subsystem of the modern city
- Challenges facing public transport
- Modern concepts of public transport

Recommended reading lists

**Obligatory literature:**

Nieuwenhuis P., *Business of Sustainable Mobility*, Greenleaf publishing, 2006

Rosario M., *Managing urban mobility system*, Emerald, 2011

*Shaping smart mobility futures : governance and policy instruments in times of sustainability transitions*, Alexander Paulsson and Claus Hedegaard Sørensen (ed.), Emerald Publishing Limited, 2020

**Complementary literature:**

*Mobility and travel behaviour across the life course : qualitative and quantitative approaches*, Joachim Scheiner, Henrike Rau (ed.), Edward Elgar Publishing, 2020

Tłoczyński D., Szmelter-Jarosz A., Susmarski S., *Analysis of sustainable transport systems in service of selected SEA-EU consortium countries' airports - a pilot case study of passenger choices for Gdańsk Airport*, *International Journal of Environmental Research and Public Health*, 2022, vol. 19, nr 2, s.1-21, Numer artykułu: 827

Tłoczyński D., Wach-Kloskowska M., Martin-Rojas R., *An assessment of airport sustainability measures: a case study of Polish airports*, *Transport Problems*, 2020, vol. 15, nr 4, Part 2, s.287-300

Contact

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