

Course title	Shared Mobility in the Sharing Economy					ECTS code	14.3.EE.FL.3762				
						ECTS credits	5				
						max. students	15				
Name of unit administrating study	KBPST	Field of study	Economics/MSG**	Field of specialisation	NONE;						
Teaching staff	Elżbieta Adamowicz, PhD ; Tomasz Bieliński, Ph.D.										
Number of hours											
Lectures	0	Classes	0	Tutorials	30	Laboratory	0	Seminars	0	Language classes	0
Forma aktywności						Year&Type of studies*	2 SS2,				
Hours with the participation of the academic teacher (including office hours, exams, others):						Semester:	4,				
Hours without the participation of the academic teacher (student's self-study, homeworks):						Type of course:	optional				
Total number of hours:						0	Language of instruction:	English			
Teaching form	in-class learning										
Teaching methods	Lectures including multimodal presentations, Discussion, questioning, Collaborating, group activities, Case studies,										
Prerequisites (required courses and introductory requirements)											
Required courses	No formal requirements.										
Introductory requirements	Knowledge of key economic issues and basics of transport economics.										
Assessment method, forms and criteria											
Assessment method	Course completion (graded)										
Assessment criteria	<p>Assessment methods: Student's presence at the meetings (up to 13 pts), active participation in the in-class experiments and problem solving (group work) (up to 10 pts), Q&A (up to 10 pts).</p> <p>Preparation and presentation of an infographic of the business model of the selected car-sharing operator (up to 24 points)</p> <p>Presentation on the shared mobility system in selected cities around the world (up to 43 points)</p> <p>Evaluation criteria:</p> <p>91-100 pts - A (5)</p> <p>81-90 pts - B+ (4,5)</p> <p>71-80 pts B (4)</p> <p>61-70 pts - C+ (3,5)</p> <p>51-60 pts - C (3)</p> <p>50 pts and less - F (2)</p>										
Course objectives											
The aim of the lecture is to improve students' knowledge about shared mobility including characteristics of sharing economy concept, modern passenger transport and forms of shared mobility services.											
Learning outcomes											
Knowledge	E2_W03	has an in-depth knowledge of relations between economic phenomena, entities and organisations as well as public institutions functioning on the shared mobility market									
	E2_W07	has an in-depth knowledge of economic and financial principles governing the functioning and management on shared mobility market									

	MSG2_W03	has an in-depth knowledge of relations between economic phenomena, entities and organisations as well as public institutions functioning on the shared mobility market
	MSG2_W09	has an in-depth knowledge of economic and financial principles governing the functioning and management on shared mobility market

Verification of learning outcomes - Knowledge

Outcomes	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
E2_W03							X	X	X		
E2_W07							X	X	X		
MSG2_W03							X	X	X		
MSG2_W09							X	X	X		

Skills	E2_U06	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
	E2_U08	can independently analyse economic and social phenomena and processes, and can perform a theoretically deepened assessment of such phenomena, using appropriately selected research method
	MSG2_U01	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
	MSG2_U03	can independently analyse economic and social phenomena and processes, and can perform a theoretically deepened assessment of such phenomena, using appropriately selected research method

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		
E2_U08							X	X	X		
MSG2_U01							X	X	X		
MSG2_U03							X	X	X		

Attitudes	E2_K03	inspires and organises preparation of economic and social projects, following the idea of sustainable development, reconciling legal, economic, ecological, political and social requirements
	E2_K04	is ready to think and act in an entrepreneurial manner; adapts to new situations and conditions; undertakes challenges of creative thinking; acquires resilience to failures; can assess risks and threats and find ways of counteracting their effects
	MSG2_K05	inspires and organises preparation of economic and social projects, following the idea of sustainable development, reconciling legal, economic, ecological, political and social requirements
	MSG2_K04	is ready to think and act in an entrepreneurial manner; adapts to new situations and conditions; undertakes challenges of creative thinking; acquires resilience to failures; can assess risks and threats and find ways of counteracting their effects

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
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E2_K03							X	X	X		
E2_K04							X	X	X		
MSG2_K05							X	X	X		
MSG2_K04							X	X	X		

Course contents
I. Sharing Economy concept and passenger transport

(history of a sharing economy concept, growth factors, features, conditions, challenges, sharing economy market)

II. Ride sharing as a part of the sharing economy

(sharing economy in transport sector, transport modal split, EU policy, sustainable development, urban transport problems, passengers behaviour and preferences)

III. Shared mobility as an innovation in passenger transport

(innovative concepts of passenger transport: electric vehicles, autonomous vehicles, sustainable transport management and organisation, key IT solutions supporting passengers, shared mobility, Mobility as a Service -MaaS concept)

IV. Car as a non-private mode of transport

(car-sharing, car-pooling, business models, ridesharing mobile applications - the usage, new markets, legal issues, impact on modal split)

V. Bike sharing

(definition, history and market growth, impact on environment and public health, financing, enablers and barriers to popularization for introduction and popularization (e.g. infrastructure, weather conditions, fleet rebalancing))

VI. E-scooter sharing and moped sharing

(shared e-scooters mopeds as a complementary mode of urban transportation, market growth, the infrastructure problems, fleet rebalancing problem in comparison to the bike-sharing services)

VII. Impact of shared mobility on passenger transport in urban areas

(identification of factors influencing changes in passenger's behaviour, travel time savings as a motivation, transport external costs' reduction as a positive effect of introducing shared mobility)

Recommended reading lists

C. Codagnone, B. Martens, Scoping the Sharing Economy: Origins, Definitions, Impact and Regulatory Issues, JRC Technical Reports, Institute for Prospective Technological Studies, Digital Economy Working Paper 2016/01, European Commission, available on-line: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2783662 M. Kamargianni, W.L. Melinda,

M.A. Schäfer, A Critical Review of New Mobility Services for Urban Transport, Transportation Research Procedia, Elsevier, Vol. 14, 2016, available on-line: <https://www.sciencedirect.com/science/article/pii/S2352146516302836>

Sharing in success. Arthur D. Little Report 2024 <http://movmi.net/>

T. Bielinski, A. Ważna, Electric Scooter Sharing and Bike Sharing User Behaviour and Characteristics, Sustainability, 2020, 12(22), 9640, available on-line: <https://www.mdpi.com/2071-1050/12/22/9640/htm>

Contact

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* SS1- undergraduate studies * SS2 - graduate studies * SDang - doctoral studies

** MSG - International Economic Relations