

Course title	Sustainable Urban Transport and Mobility						ECTS code	14.03.5371				
							ECTS credits	5				
							max. students	20				
Name of unit administrating study	KRT	Field of study	Economics/MSG**		Field of specialisation	NONE;						
Teaching staff	Olgierd Wyszomirski, Professor ; Katarzyna Hebel, Associate Professor ; Marcin Wołek, Associate Professor ; Aleksander Jagiełło, Ph.D.											
Number of hours												
Lectures	30	Classes	0	Tutorials	0	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:	3,					
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, Activating methods in training classes, Case studies,											
Prerequisites (required courses and introductory requirements)												
Required courses	No formal requirements.											
Introductory requirements	Knowledge of basic economics issues and basics of transport economics.											
Assessment method, forms and criteria												
Assessment method	Course completion (graded)											
Assessment criteria	Presentation on sustainable urban transport and mobility subject (the title will be individually discussed during lecture). Evaluation criteria: 91-100 pts - A (5) 81-90 pts - B (4,5) 71-80 B (pts -4) 61-70 pts - C+ (3,5) 51-60 pts - C (3) 50 and less - F Attendance rate: 25 pts (max), presentation 75 pts (max)											
Course objectives												
To provide specific knowledge on sustainable urban transport and mobility.												
Learning outcomes												
Knowledge	E2_W01	Identyfification of characteristic features of demand and supply, cost and price, organization and management on the urban transport										
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_W01						X	X	X	X			
Skills	E2_U01	Ability to analyse case studies and to generalise fact based on case study research. Student will get basic knowledge on business instruments being used on urban transport market including strategic planning and marketing research										
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		

Attitudes

E2_K02

Ability to work in small groups and to divide tasks and execute desired level of quality

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_K02							X	X	X		

Course contents

- 1.The city as an area of sustainable transport and mobility
 - 1.1. Urbanisation: global and local context
 - 1.2. Spatial accessibility
 - 1.3. Transport and smart city concept
- 2.Urban transport market: supply
 - 2.1.Market organisation and structure
 - 2.2. Stakeholders on urban transport market
 - 2.3. Supply of urban transport services
- 3.Urban electromobility
 - 3.1.The concept of electromobility
 - 3.2.New trends in electromobility in cities
 - 3.3.Electromobility: case studies
- 4.Case study on electromobility: a study visit in the trolleybus operator (PKT Gdynia sp. z o.o.) in Gdynia
- 5.Urban transport market: demand
 - 5.1.The nature of demand in transport
 - 5.2.Consumer behavior on urban transport market
 - 5.3.Segmentation of the passenger urban transport market
6. Marketing research on urban transport market
 - 6.1. The proces of marketing research
 - 6.2. Main challenges for the research on urban transport market
 - 6.3. Selected case studies
- 7.C ase study on marketing research: a study visit in ZKM Gdynia (a Public Transport Authority for Gdynia)
8. Costs and pricing on urban transport market
 - 8.1. Costs: a perspective of public transport operator
 - 8.2. External costs in public transport
 - 8.3. Pricing of urban transport services
9. Urban transport and mobility policy
 - 9.1. Factors determining transport policy
 - 9.2. Sustainable Urban Mobility Plans (SUMP) as a local policy tool
 - 9.3. Selected case studies
10. Presentations of selected case studies prepared by students
11. Presentations of selected case studies prepared by students

Recommended reading lists

W.R. Black, Sustainable Transportation. Problems and Solutions, The Guilford Press, New York, London 2010
 Traffic Jam. Ten years of "sustainable" transport in the UK, I. Docherty and J. Shaw (ed.), Policypress, Bristol 2008
 The Business of Sustainable Mobility. From Vision to Reality, P. Nieuwenhuis, Ph. Vergragt, P. Wells (ed.), Greenleaf Publishing, Sheffield 2006
 S. Schonfelder, K.W. Axhausen, Urban Rhythms and Travel Behaviour, Routledge, London New York 2010

Contact

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

** MSG - International Economic Relations