

Course title	Sustainable cities						ECTS code	14.03.5372				
							ECTS credits	5				
							max. students	20				
Name of unit administrating study	OTHER	Field of study	Economics/MSG**	Field of specialisation	NONE;							
Teaching staff	Marcin Wołek, Associate Professor ; Jacek Zaucha, Professor ; Jarosław Kempa, Ph.D.											
Number of hours												
Lectures	0	Classes	0	Tutorials	30	Laboratory	0	Seminars	0	Language classes	0	
Forma aktywności						Year&Type of studies*		3 SS1, 1 SS2, 2 SS2,				
Hours with the participation of the academic teacher (including office hours, exams, others):				38		Semester:		6, 2, 4,				
Hours without the participation of the academic teacher (student's self-study, homeworks):				13		Type of course:		optional				
Total number of hours:				51		Language of instruction:		English				
Teaching form	in-class learning											
Teaching methods	Lectures including multimodal presentations, Discussion, questioning, Individual projects, Collaborating, group activities, Case studies, Visiting Pomeranian Science and Technology Park in Gdynia (case study for transformation of urban functions)											
Prerequisites (required courses and introductory requirements)												
Required courses	Macroeconomics, microeconomics.											
Introductory requirements	Basic knowledge in macro and microeconomics, socio-economic geography											
Assessment method, forms and criteria												
Assessment method	Course completion (graded)											
Assessment criteria	Final presentation evaluated as following: 91 - 100 pts - 5 (A) 81-90 pts - 4,5 (B+) 71-80 pts - 4 (B) 61-70 pts - 3,5 (C+) 51-60 pts - 3 (C).											
Course objectives												
To introduce the student to the concept of sustainable urban development.												
To indicate relations between different stakeholders in the city.												
To introduce the student to the selected areas of urban development.												
Learning outcomes												
Knowledge	E1_W02	has advanced knowledge of cities and different types of public entities and institutions.										
	E1_W04	knows the types of economic and social ties of cities and regularities governing them.										
	MSG1_W04	has an advanced knowledge of cities and essential elements of their subsystems.										
	MSG1_W08	knows and understands the fundamental dilemmas of contemporary cities, including the strategy of sustainable development, smart and resilient city concept .										
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
E1_W02								X	X		
E1_W04							X	X	X		X
MSG1_W04								X	X		
MSG1_W08							X	X	X		X

Skills	E1_U01	is able to correctly interpret economic and social phenomena and apply knowledge of economics, finance and management sciences to explain economic phenomena related to cities.
	E1_U09	is able to prepare written pieces in Polish and in a foreign language concerning detailed economic and social issues relating to cities, using specialist terminology, theoretical and methodological approaches, principles of collecting data from various sources, their description and interpretation, making inferences on the basis of scientific literature and factographic data, and making international comparisons.
	E1_U13	can interact and work in a group, taking on a variety of roles as urban decision-makers.
	MSG1_U01	can correctly interpret and explain economic and social phenomena related to cities, analyse their causes, course and connections between them, using the acquired knowledge of economics, finance and international economic relations;
	MSG1_U10	can take an active part in a debate on urban challenges, presenting his/her own viewpoint and supporting it with argumentation based on selected theories, opinions of various authors and/or statistical data related to cities.
	MSG1_U13	is able to prepare presentations and oral statements on the subject of cities, using basic theoretical approaches, specialist terminology, principles of collecting data from various sources, their description and interpretation, and drawing conclusions on the basis of scientific literature.

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
E1_U01							X	X	X		X
E1_U09							X	X			X
E1_U13								X	X		X
MSG1_U01							X	X	X		X
MSG1_U10							X	X	X		X
MSG1_U13							X	X	X		X

Attitudes	E1_K01	recognises the importance of knowledge of economics in the process of identifying and solving urban problems and of seeking expert advice in the event of difficulties in solving them independently.
	E1_K03	participates in the preparation of economic and social projects concerning cities, being able to reconcile legal, economic, ecological, political and social requirements.
	MSG1_K01	is ready to recognise the importance of knowledge in the field of urban economics in the process of identifying and solving economic problems and to consult experts in case of difficulties in solving them independently.
	E1_K03	participates in the preparation of economic and social projects concerning cities; can reconcile legal, economic, ecological, political and social requirements.

Verification of learning outcomes - Attitudes

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Outcomes	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
E1_K01								X	X		
E1_K03								X	X		
MSG1_K01								X	X		
MSG1_K03								X	X		

Course contents
1. The process of urban development

- 1.1. Cities in a historic context
- 1.2. Process of urban growth: industrial cities
- 1.3. Process of urban growth: post-industrial cities, resilient and sustainable cities

2. City as a system

- 2.1. Functions of the city
- 2.2. Stakeholders in the city
- 2.3. Conflicts in the city

3. Cities: between micro and macro levels of economics

- 3.1. Theories of local economic development
- 3.2. Economic models of urban structure
- 3.3. Drivers of local economic performance

4. Urban competitiveness

- 4.1. Defining urban competitiveness
- 4.2. Quality of life
- 4.3. Workshop: Review of rankings of urban competitiveness

5. Strategy of development - programming development of the sustainable city

- 5.1. Strategic planning
- 5.2. Selected methods of strategic planning
- 5.3. Workshop: Review of selected strategies of development

6. Scenarios of sustainable urban development

- 6.1. The scenario concept
- 6.2. Scenarios in urban planning & development
- 6.3. Workshop: Evaluation of scenarios

7. Selected urban systems: housing

- 7.1. Real estate market
- 7.2. Housing policy
- 7.3. Housing and architectural design

8. Selected urban systems: logistics and mobility

- 8.1. Urban transport system
- 8.2. Urban goods mobility
- 8.3. Urban passenger mobility

9. Selected urban systems: public utilities

- 9.1. Water supply



- 9.2. Sewage management
- 9.3. Heating and energy

10. Urban environmental policy

- 10.1. Environmental impact of urban development
- 10.2. Environmental limits of growth
- 10.3. Scenarios of the environmental adjustment - workshop

11. Urban transformations

- 11.1. The nature of the urban space
- 11.2. The transformation processes
- 11.3. Workshop - evaluation of the selected cases on urban transformations

12. Metropolitan areas

- 12.1. The process of metropolisation
- 12.2. Factors determining metropolisation process
- 12.3. Workshop: evaluation of selected metropolitan areas

13. Challenges of urbanised world

- 13.1. Challenges facing contemporary cities
- 13.2. Models of the future city
- 13.3. International networks of cities and regions

Recommended reading lists

Basic literature:

1. P. Newman, T. Neatley, H. Boyer: Resilient cities: responding to peak oil and climate change. Island Press, Washington 2009
2. Global Competitiveness Reports by World Economic Forum, current issues.
3. M. Wolek, K. Hebel: The quality of life in sustainable urban mobility planning. The case study of… [In:] RESEARCH PAPERS OF WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS 2019, vol. 63, nr 10

Contact

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

** MSG - International Economic Relations