



Subject card

Subject name and code	Are you the change? Exploring citizen engagement for Smart Sustainable Cities						
Field of study	-----						
Date of commencement of studies	October 2024	Academic year of Introduction of subject	2024/2025				
Education level	first-cycle studies	Subject group	Obligatory subject group in the field of study Subject group related to scientific research in the field of study				
Mode of study	Full-time studies	Mode of delivery	e-learning				
Year of study	-----	Language of instruction	English				
Semester of study	-----	ECTS credits	2.0				
Learning profile	general academic profile	Assessment form	assessment				
Conducting unit	Gdańsk University of Technology, Faculty of Management and Economics, Department of Informatics in Management						
Name and surname of lecturer (lecturers)	Supervisor	dr inż. Magdalena Ciesielska					
	Teacher	dr inż. Magdalena Ciesielska					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	E-learning hours included: 30.0						
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	30	2.0	18.0	50		
Subject objectives	The purpose of this course is to explore citizen engagement in the context of smart, sustainable cities, with the goal of providing students with an understanding of the principles and practices involved in urban landscaping. Throughout the course, students will explore key concepts and practical applications across various domains, from understanding the principles of citizen engagement to analyzing the role of digital technologies in urban development. Through a blend of theoretical insights and empirical approaches, students will engage with case studies, examples, and interactive discussions to ground theoretical knowledge in real-world contexts. By examining topics such as equity and inclusivity, co-creation and co-production, and crisis response, students will develop an understanding of the challenges and opportunities inherent in building smart sustainable cities with citizen engagement in place. The goal is to enable students to become informed leaders and change agents in pursuit of a more sustainable and inclusive urban future.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K7_K71] is able to explain the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment	<ul style="list-style-type: none"> • Student is prepared to take part in public life and implement socio-economic and political projects. • Student is prepared to solve, evaluate, select, organize and analyze problems and initiatives on citizen engagement for smart sustainable cities 			[SK5] Assessment of ability to solve problems that arise in practice		
	[K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications	<ul style="list-style-type: none"> • Knowledge on social, economic and environmental aspects of smart sustainable cities. • Understanding the impact of citizen engagement and social innovation on sustainable development goals and urban development. • Skills in developing his own attitude on reasons and results of civic engagement for sustainable future. 			[SW3] Assessment of knowledge contained in written work and projects		
	[K7_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems	<ul style="list-style-type: none"> • Student is able to correctly interpret and explain the behavior of individuals and social groups in urban life. • Student can define, distinguish and apply citizen engagement and its various forms in urban context. • The student is aware of the relationship between sustainable 			[SU3] Assessment of ability to use knowledge from the subject		

		development, smart city and citizen involvement and has the ability to evaluate and create them.	
Subject contents	<ol style="list-style-type: none"> 1. Key Concepts in Smart Sustainable Cities 2. Introduction to Citizen Engagement in Smart Sustainable Cities 3. Digital Technologies and Citizen Participation 4. Equity and Inclusivity in Citizen Engagement 5. Social Innovation 6. Co-creation and Co-production in Urban Development 7. Co-creation and Co-production in various domains 8. Citizen Engagement in Crisis Response 9. Policy formation through citizen input 10. Tackling Trust and Distrust in Participatory Processes 11. Tools and Methods for Effective Civic Engagement 12. Communication and Public Awareness 13. Empowering Citizens as Agents of Change 		
Prerequisites and co-requisites	No prerequisites		
Assessment methods and criteria	Subject passing criteria		Passing threshold
	Participation and engagement		60%
	Individual presentation		60%
	Case Study		60%
Recommended reading	Basic literature	<ul style="list-style-type: none"> • Bouzguenda, I., Alalouch, C., & Fava, N. (2019). Towards smart sustainable cities: A review of the role digital citizen participation could play in advancing social sustainability. <i>Sustainable cities and society</i>, 50, 101627. • Castelnovo, W., Misuraca, G., & Savoldelli, A. (2015). Citizen's engagement and value co-production in smart and sustainable cities. In <i>International conference on public policy</i> (pp. 1-16). Milan. • Davies, S. R. (2012). Citizen engagement and urban change: Three case studies of material deliberation. <i>Cities</i> 29(6), 351-357. 	
	Supplementary literature	<ul style="list-style-type: none"> • Selin et al. (2016). Experiments in engagement: Designing public engagement with science and technology for capacity building. <i>Public Understanding of Science</i> 26(6), 634-639. • Arnstein, Sherry R. "A Ladder of Citizen Participation," <i>JAIP</i>, Vol. 35, No. 4, July 1969, pp. 216-224. • Osborne, S. P., Radnor, Z., & Strokosch, K. (2016). Co-production and the co-creation of value in public services: a suitable case for treatment?. <i>Public management review</i>, 18(5), 639-653. • Leyden et al. (2017). Public and stakeholder engagement and the built environment: A review. <i>Current Environmental Health Report</i> (4), 267–277. • Margerum, Richard D. (2002) "Collaborative Planning: Building Consensus and Building a Distinct Model for Practice," <i>Journal of Planning Education and Research</i>, 21(3), 237-253. • Gustafson & Hertting. (2016). Understanding participatory governance: An analysis of participants' motives for participation. <i>American Review of Public Administration</i> 47(5), 538- 549. 	
	eResources addresses		
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> • Prepare a presentation on the importance of citizen input in shaping urban policies and initiatives. Highlight key examples of successful citizen engagement practices from around the world and make recommendations for incorporating similar approaches into local governance structures. • Analyze a case study of a smart sustainable city project that involved extensive citizen engagement. • Identify the key strategies used to promote participation, assess the outcomes of the project, and critically evaluate the effectiveness of the citizen engagement process. 		
Work placement	Not applicable		