GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Spatial planning of coastal and sea areas, PG_00065662		
Field of study	Spatial Development		
Date of commencement of studies	February 2025	Academic year of realisation of subject	2025/2026
Education level	second-cycle studies	Subject group	Optional subject group Specialty subject group Subject group related to scientific research in the field of study
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	English
Semester of study	2	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Urban Design and Regional Planning -> Faculty of Architecture -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor		
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	30.0	0.0	0.0	0.0	45

E-learning hours included: 0.0

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	45	6.0	24.0	75

Subject objectives

The aim of the course is to familiarize the student with the spectrum of analytical methods and design solutions used in the ecological design of the coastal zone used in the regional and city perspective.These methods include the assessment of the climatic sensitivity of the analyzed structures and ways of increasing their resilience through appropriate spatial management solutions.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_W01] has in-depth and expanded knowledge of spatial development, urban planning and spatial planning, including activities used in the process of revitalization of degraded areas and ecological design	Student knows the essence and complexity of the processes related to the ecological design of cities and regions of the coastal zone, with particular emphasis on the effects of climate change	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation
[K7_W04] has in-depth knowledge of issues and technical systems related to the planning, design and implementation of infrastructure projects and urban planning, as well as the life cycle of facilities and systems related to the operation of settlement units	has in-depth knowledge of technical issues and systems related to the planning, design and implementation of infrastructure projects and urban developments, as well as the life cycle of facilities and systems related to the functioning of settlement units	[SW2] Assessment of knowledge contained in presentation
[K7_U06] is able to formulate a design specification for a complex planning task, including legal and other non-technical aspects, including such things as social impact and economic efficiency	is able to formulate a design specification for a complex planning task, taking into account legal and other non-technical aspects	[SU1] Assessment of task fulfilment

Subject contents	Identification and assessment of the ecological problems of the region affecting the cities and other settlement structures of the coastal zone.Identification and assessment of ecological problems of cities and other settlement structures of the coastal zone.General principles of sustainable design of cities and other settlement structures in the coastal zone.Links between pro-ecological activities on a regional scale with the coastal zone.Identification of pro-ecological activities on a regional scale, affecting cities and settlements in the coastal zone.Ecological space and strategies of urban development.Ecological design as an instrument of environmental protection.Assessment of sensitivity and adaptation potentials of various types of spatial structures of the coastal zone.
Prerequisites and co-requisites	

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Presentation of the thematic presentation	100.0%	100.0%

Recommended reading

Basic literature	Riddell R., Sustainable urban planning. Blackwell Publishing, 2007. Beatley T., Planning for sustainability in European cities: A review of practices in leading cities, [w:] The Sustainable Urban Development Reader, red. T. Beatley, S.M. Wheeler, Topical Urban Readers, The Routledge Urban Reader Series, series editor: LeGates R. T., Stout F., Routledge, Taylor & Francis Group, London-New York 2004. Carmona M., Sustainable urban design - a possible agenda, [w:] Planning for a Sustainable Future, red. A. Layard, S. Davoudi, S. Batty, Spon Press, Taylor & Francis Group, London 2001. Jenks M., The acceptability of urban intensification, [w:] Achieving Sustainable Urban Form, red. E. Burton, M. Jenks, K. Williams, E & FN Spon, Tailor & Francis Group, London-No York 2001.Kenworthy J., Newman P., Sustainable urban form: The big picture, [w:] Achieving Sustainable Urban Form, red. E. Burton, M. Jenks, K. Williams, E&FN Spon, Tailor & Francis Group, London-New York 2001.
Supplementary literature	Williams K., Does intensifying cities make them more sustainable? [w:] Achieving Sustainable Urban Form, red. E. Burton, M. Jenks, K. Williams, E&FN Spon, Tailor & Francis Group, London-New York 2001. Selman P., Environmental Planning: The conservation and development of biophysical resources, 2nd edition, SAGE, London, Thousand Oaks, New Delhi 2000.
eResources addresses	

Example issues/ example questions/ tasks being completed	
Work placement	Not applicable

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