

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

High-quality energy building project, PG_00055715								
Architecture								
October 2021		Academic year of realisation of subject			2023/2024			
first-cycle studies		Subject group			Obligatory subject group in the field of study Subject group related to scientific research in the field of study			
Full-time studies		Mode of delivery			at the university			
3					Polish			
5		ECTS credits			1.0			
general academic profile		Assessment form			assessment			
Subject supervisor			dr inż. arch. Joanna Kabrońska					
Teachers	eachers		dr inż. arch. Joanna Kabrońska					
Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
Number of study hours	0.0	0.0	15.0	0.0		0.0	15	
E-learning hours inclu	uded: 0.0						_	
Learning activity			Participation in consultation hours		Self-study		SUM	
Number of study hours	15	2.0		8.0		25		
The student learns th	e pro-environm	nental, resource	e-efficient and e	energy-	efficient	building desi	gn principles.	
Course outcome		Subject outcome			Method of verification			
[K6_U04] is able to use analytical methods to formulate and solve project tasks		The student evaluates the design solutions of a building taking into account the energy quality issues.			[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools			
[K6_W01] knows and understands construction problems, building and engineering issues related to building design; principles, solutions, constructions and building materials used in simple engineering tasks in the field of architectural and urban design		The student understands the principles of sustainable, energy- efficient design and applies them when determining the energy performance of a building.			[SW3] Assessment of knowledge contained in written work and projects			
Calculation of the energy performance of the building and preparation of the building energy certificate.								
Knowledge of the basic principles of building physics in the field of thermal and moisture properties of building components.								
Assessment methods Subject passing criteria		Passing threshold		Percentage of the final grade				
Energy performance of a building		100.0%		100.0%				
Basic literature		Budownictwo zrównoważone. Wybrane zagadnienia z fizyki budowli, A. Kaliszuk-Wietecka, 2017 Nowoczesny standard energetyczny budynków, R. Geryło, 2015						
	October 2021 first-cycle studies Full-time studies 3 5 general academic pro Department Of Techr Politechniki Gdańskie Subject supervisor Teachers Lesson type Number of study hours E-learning hours inclu Learning activity Number of study hours The student learns th Course out [K6_U04] is able to u methods to formulate project tasks [K6_W01] knows and construction problem and engineering issu building design; prind solutions, constructio building design; prind solutions desine Calculation of the end Knowledge of the bas building components. Subject passin Energy performance	October 2021 first-cycle studies 3 5 general academic profile Department Of Technical Fundamer Politechniki Gdańskiej Subject supervisor Teachers Lesson type Lecture Number of study 0.0 hours 0.0 E-learning hours included: 0.0 Learning activity Participation in classes includ plan Number of study 15 The student learns the pro-environm Course outcome [K6_U04] is able to use analytical methods to formulate and solve project tasks [K6_W01] knows and understands construction problems, building and engineering issues related to building design; principles, solutions, constructions and building materials used in simple engineering tasks in the field of architectural and urban design Calculation of the energy performant Knowledge of the basic principles of building components. Subject passing criteria Energy performance of a building	October 2021 Academic y realisation first-cycle studies Subject grown in the studies Subject grown in the studies Full-time studies Mode of determine 3 Language of the studies 5 ECTS cred general academic profile Assessmer Department Of Technical Fundamentals Of Archite Politechniki Gdańskiej Subject supervisor dr inż. arch. J Teachers dr inż. arch. J Lesson type Lecture Number of study 0.0 hours 0.0 E-learning nours included: 0.0 Learning activity Participation in didactic classes included in study plan Number of study hours 15 The student learns the pro-environmental, resourced solutions of a account the e solutions of account the esolutions of a account the esolutions of account the esolutions construction problems, building and engineering issues related to building materials used in simple engineering tasks in the field of architectural and urban design Calculation of the energy performance of the buildi Knowledge of the basic principles of building physic building components. Subject passing criteria Pass <	October 2021 Academic year of realisation of subject first-cycle studies Subject group Full-time studies Mode of delivery 3 Language of instruction 5 ECTS credits general academic profile Assessment form Department Of Technical Fundamentals Of Architectural Design - Politechniki Gdańskiej Subject supervisor Subject supervisor dr in2. arch. Joanna Kabroń Lesson type Lecture Tutorial Lesson type Lecture Tutorial Lesson type Lecture Tutorial Lesson type Lecture Tutorial Learning hours included: 0.0 Learning activity Participation in didactic classes included in study plan Number of study hours 15 2.0 The student learns the pro-environmental, resource-efficient and or solutions of a building taking account the energy quality is solutions construction problems, building and engineering tasks in the field of architectural and urban design The student understands construction problems, building and engineering tasks in the field of architectural and urban design The student understands the principles of sustainable, emi- efficient design and applies the building components. Calculation of the energy	October 2021 Academic year of realisation of subject first-cycle studies Subject group Full-time studies Mode of delivery 3 Language of instruction 5 ECTS credits general academic profile Assessment form Department Of Technical Fundamentals Of Architectural Design -> Facul Politechniki Gdańskiej dr inz. arch. Joanna Kabrońska Subject supervisor dr inz. arch. Joanna Kabrońska Teachers dr inz. arch. Joanna Kabrońska Lesson type Lecture Tutorial Laboratory Projec Number of study hours 0.0 0.0 15.0 0.0 Learning nours included: 0.0 Learning activity Participation in didactic classes included in study plan Participation in consultation hours Number of study hours 15 2.0 2.0 The student learns the pro-environmental, resource-efficient and energy- efficient design and applies them when determining the energy- efficient design and applies them wh	October 2021 Academic year of realisation of subject 2023/ 2023	October 2021 Academic year of realisation of subject 2023/2024 first-cycle studies Subject group Obligatory subject, field of study Subject group relat research in the field Full-time studies Mode of delivery at the university 3 Language of instruction Polish 5 ECTS credits 1.0 general academic profile Assessment form assessment Department Of Technical Fundamentals Of Architectural Design -> Faculty Of Architecture -> Politechniki Gdańskiej Subject supervisor Subject supervisor dr inż. arch. Joanna Kabrońska Eeson type Lesson type Lecture Tutorial Laboratory Project Seminar Number of study hours 0.0 0.0 15.0 0.0 0.0 0.0 Learning nours included: 0.0 Learning activity Participation in classes included in study plan Self-study Subject superverificient building desi fulling taking into consultation hours Self-study Number of study hours 15 2.0 8.0 Subject superverificient building desi fulling compare. Subject superverificient building desi fulling comore superverificient essign and applies the project t	

	Supplementary literature	Architecture and Resilience. Interdisciplinary Dialogues, K. Trogal, I. Bauman, R. Lawrence, D. Petrescu (ed.), 2019 Carbon-Neutral Architectural Design, P. La Roche, 2017			
		Regenerative Design in Digital Practice. A Handbook for the Built Environment, E. Naboni, L. Havinga (ed.), 2019			
		Retrofitting Cities for Tomorrows World, M. Eames (ed.), 2018			
		Urban Regeneration. A Manifesto for transforming UK Cities in the Age of Climate Change, S. Lehmann, 2019			
		Climate Change-Sensitive Cities: Building Capacitites for Urban Resilience, Sustainability & Equity, G. C. Delgado Ramos, 2017			
	eResources addresses	Adresy na platformie eNauczanie:			
Example issues/ example questions/ tasks being completed	Relationship between a building and its environment.				
Work placement	Not applicable				

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