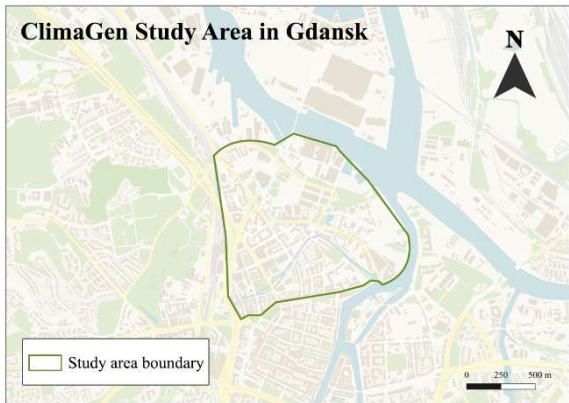
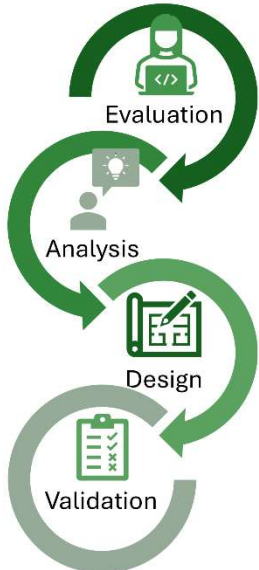


ClimaGen Study Area in Gdansk  Study area boundary 	Term: 5sem. (Winter) Type of studies: BEng in Arch.	Title of the course Design Studio:Digital Tools forEvaluating the Quality of Public Urban Spaces <u>Projekt fakultatywny</u>	ECTS: 2 Year: 2026/2027
	Department of Urban Architecture and Waterscapes		
	Seminars & assignments: 30 h Teacher:Anahita Azadgar		
	Brief description of the subject: This course is an elective design studio focused on the design of public green spaces in the city. Students will work in small groups on selected areas within a larger urban area in Gdańsk, defined in relation to the ClimaGen project. The study area covers parts of the city around the Gdansk main train station. ClimaGen is an EU Horizon funded project that focuses on improving climate resilience in cities through design, planning, and spatial strategies. In this course, the project provides a broader urban and environmental context for the design work. Within this course, and using the ClimaGen study area as our design context, we will explore how digital tools can support our own design ideas for improving the aesthetic quality and resilience of public open spaces. We will learn to use pretrained machine-learning approaches to evaluate the current visual and perceptual qualities of selected areas, considering aspects such as presence of greenery, colorfulness, safety, infrastructure and other streetscape characteristics. We will then use these results to analyze the design area, identify key opportunities for intervention, and develop design proposals to improve the quality and resilience of public open spaces.At the end, we will evaluate the developed design using the same tools used at the beginning and compare the results to see whether the proposed urban spaces have improved.		
	Objectives: • Getting familiar with new tools and methods for evaluating the quality of public spaces. • Leveraging the results of digital evaluation for the analysis and design of the area of interest.		

Block course fromNovember 2026 – till February 2027 (Exact dates will be communicated in advance.) Content of the course: The studio begins with an introduction to the study area and discussion of current challenges related to climate and public space. The area is then divided into smaller sites, each assigned to a student group. Students work through a simple design method based on evaluating the quality of interest area. The course includes: • Introduction to the site and context • Short inputs on urban green space design, green infrastructure, and water in the city • Group design work and consultations • Development of a concept, masterplan, and key public space design • Presentation and discussion of final projects Educational outcomes: After completing the course, students will be able to: • Use digital tools and methods for evaluating quality of public spaces • Design public green spaces at an urban scale • Recognize basic climate-related challenges in public space and address them through design • Develop a clear and understandable design concept • Create coherent spatial proposals using simple drawings and diagrams
