



**5 sem.
Bachelor**

Elective Design II

Title of the course: **Designing with Nature: Mapping and Creating Nature Based Solutions in Gdańsk**

**2025/26
2 pkt.
ECTS**

Department of Urban Architecture and Waterscapes

Teachers: Prof. Lucyna Nyka, Anahita Azadgar (Ph.D student)

Brief description of the design studio:

This voluntary, hands-on course introduces students to the concept and typology of Nature-Based Solutions (NbS) in urban planning, with a focus on their role in climate resilience and spatial quality. Using Gdańsk as a living laboratory, students will explore global and local examples of NbS, learn how to detect them using spatial datasets such as NDVI, Canopy Height Models, and Google Street View imagery, and conduct field or desk-based audits. Working in groups, students will map existing NbS in assigned districts, identify underused spaces with greening potential, and develop design proposals that integrate NbS principles. The course blends theory, GIS analysis, site observation, and design, linking municipal policy priorities with creative student solutions.

The aim of the design studio:

The course aims to equip architecture and urban planning students with the knowledge and practical skills to identify, assess, and design Nature-Based Solutions in urban contexts. Through combining spatial data analysis, field validation, and design thinking, students will learn how to bridge policy goals with site-specific, creative interventions that enhance ecological resilience, social well-being, and climate adaptation capacity in Gdańsk.

Treści przedmiotu/harmonogram zajęć:

Studio will be conducted in the form of weekly meetings, starting on **1st of December** (first design studio – the later weekly meetings will be consulted with students)