



The study area is the registered plot no. 169, located in the area 08.U in the central part of the city of Sopot, for service purposes, located near the seaside and approximately 630 m away from the pier.

Semester
number:
4

Degree
of study:
engineer

**Design
of a building
complex
with a residential
and service
function
in a seaside
location**

Number
of ECTS
points
5

Academic
year
2025/2026

Department conducting the subject
**Department of Residential
Architecture**

The person responsible for the item:
mgr inż. arch. Marta Wojtkiewicz

Short description of the subject of the classes:

The design of a complex of residential buildings with services on the ground floor is intended to create a convenient place to live, meeting the needs and aspirations of its future residents. This is a response to the crisis related to the availability and prices of housing. In a beautiful location in Sopot, right by the sea, we have a plot of land with huge potential. Intensification of the living space in relation to the size of the plot, understanding the context of the designed space, analysis of the profile and needs of future users are the main design tasks.

The building complex is intended to create a friendly place for both residents and tourists. The types of services should be planned so that their function fits into the context of the place and attracts the largest possible audience.

Purpose of the subject:

Acquire skills in designing multi-family residential buildings and land development, taking into account spatial connections with the immediate surroundings. Design accordingly with the applicable technical conditions of the architectural concept of multi-family buildings, as well as consult the proposed solutions with representatives of relevant industries in the field of construction and aspects of buildings.

Learn to respond to the needs of the local community in programming public space and semi-public in the area of multi-family development and acquire the ability to read and apply the provisions of local spatial development plans and correctly analyze the boundary conditions related to the location.

Course content/class schedule:

1. Introduction and discussion of the topic, analysis of the study area and the context of the place.
2. Analysis of the needs of the local community in the context of the proposed development, presentation of existing solutions in the form of diagrams and charts.
3. Works related to the slogan and the main idea, the concept of a complex of architectural shapes.
4. Development of the design concept, model studies.
5. Presentation of preliminary studies and proposed solutions.
6. Proposal of functional and spatial solutions in the designed facilities.
7. Detailed functional and spatial solutions.
8. Graphic development of the design concept on boards.
9. Project presentation with discussion and summary.

Classes in full-time form, weekly during the summer semester 2025/2026.