



No of semester:
3

Stage of the Studies:
I st. / Inż.

Name of the course
**ARCHITECTURAL
PROJECT III
A:01143**

ECTS
points
5

Acad. Year
2026/2027

Department

Department of Housing and Architecture of Public Buildings

Teacher:

M.Sc. Eng. Arch. Aleksandra Tyszczyk

Name of the course:

DREAM HOUSE – Space for Living: between the sea and the forest
Sopot

Issues of classes:

The task for the project is to design a contemporary single-family house located in the prestigious district resort town of Sopot, a place that thrives both day and night, offering a rich cultural and social life. Surrounded by elegant villas and immersed in the unique coastal atmosphere, the site combines privacy with direct access to the vibrant rhythm of the city. The aim of the project is to propose a dream house for future residents using the advantages of the area.

The design process begins with identifying the future inhabitants so that the house reflects their character, interests, and the way of life. The projects should capture the dual essence of Sopot – its lively, cultural rhythm and the calm offered by the nearby forest and shoreline. From this interpretation, an abstract concept will emerge, guiding the creation of an original house that unites the vibrancy of the city with serenity of nature.

Objective of the course:

- Introducing students to the design process of a single-family house, with emphasis on adjusting the building's form and functional program to the chosen family type and unique qualities of the site, including its orientation and natural surroundings
- Guiding students in transforming an abstract idea into coherent architectural proposal through the application of the metaphor method
- Build the ability to deliver a comprehensive design for a single-family house that fulfills aesthetic, functional, technical and regulatory standards.
- Strengthen design decision-making, particularly when working on aspects such as massing, site planning, and fencing, in order to achieve balanced solutions and a high level of presentation quality

Design Task:

- Develop a conceptual proposal for single-family residence derived from an initial concept (motto + ideogram) that reflects the profile and the lifestyle of the intended residents
- The project shall include a site development plan for the designated plot

Location:

The project site consists of plot with an approximate area of 600m², situated in Sopot, in close proximity to forested areas. The location combines the qualities of prestigious seaside resort with immediate access to cultural life, while simultaneously offering the calm atmosphere of natural landscapes. This dual context provides a unique opportunity to design architecture that responds to both dynamic rhythm of the city and the tranquility of nature.

Key Elements of the Course:

1. Resident profile – identification of the future residents, their lifestyle, needs, serving as the foundation of the design process. The character of the family will determine the motto and ideogram, as well as guide the spatial organization and final architectural form.
2. House as a Dream place – development of residence that provides comfort, individuality, and high aesthetic quality, while remaining harmonized with the specific cultural and natural context of Sopot.
3. Living Environment – integration of indoor and outdoor spaces to support family life, professional activity and recreation. The project should include areas for gathering, relaxation, hobbies complemented by the natural assets of the sea and forest.



4. Views and Landscape – maximizing opportunities to open the house toward the green surroundings, using architecture to frame and highlight these elements.
5. Design Dialogue – coordination of the neighboring surroundings to ensure spatial and formal cohesion, contributing to the creation of coherent residential environment.

Schedule of Classes:

Class 1: Introduction to the project task, overview of single-family housing and conceptual design (including site analysis).

Class 2: Initial idea of the project – motto & ideogram describing future inhabitants; site analysis review.

Class 3: Spatial compositions – abstract interpretation of the initial idea, zoning.

Class 4: Architectural structure – evolution of form and zoning.

Class 5: First review (site analysis, presentation of the idea and volumetric concept – including conceptual model and graphical representation – site layout, plans, sections, elevation schemes, mock-up studies).

Class 6: Site layout, plans, sections, elevation schemes, mock-up studies,

Class 7: Site layout, plans, interior arrangement, sections, elevations, , mock-up studies,

Class 8: Second review (presentation of architectural concept: graphic part + a mock-up; integration with structural layout, choice of material solutions.

Class 9: Development of architectural concept: plans, sections, elevations, model studies, verification of requirements for single-family housing and room arrangement.

Class 10: Development of architectural concept: plans, sections, elevations mock-up studies, preliminary layout of A3 boards.

Class 11: Third review – development of architectural concept: plans, sections, elevations, fence drawings, mock- up studies; board concept printed at A3.

Class 12: Detailing the architectural concept: plans, sections, elevations, mock-up studies, preliminary visualizations; A3 board concept development.

Class 13: Detailing the architectural concept: plans, sections, elevations, model studies, preliminary visualizations **Class 14:** Presentation of final board layout, final revisions.

Class 15: Submission of the project, discussion of the work.

Project Scope:

- 2 boards (100x70 cm in landscape orientation) + mock-up

Board Contents:

- Site plan showing land use (for 2 adjacent plots, highlighting the project plot), scale 1:500
- Floor plans with interior arrangement, scale 1:100
- Key section, scale 1:100
- Elevations, scale 1:100
- Perspectives/ visualizations
- Mock-up

Evaluation Criteria:

- Regular and active participation in classes, including engagement in discussions and reviews, as well as attendance confirmed through consultations (a maximum of three unexcused absences are permitted).
- Successful completion of all scheduled review stages.
- Overall completeness of the design project.
- Precision and quality of spacial solutions, including building form, facade composition, site development, and integration with the surrounding context
- Functionality and appropriateness of the proposed programmatic and organizational solutions.
- Compliance and accuracy of architectural, structural and installation elements.
- Clarity and correctness of graphic documentation.
- Overall presentation quality, including the visual composition and aesthetics of the boards, as well as the craftsmanship and appearance of the physical model.

Photo / Source:

Mock-up by student Julia Konkol, classes conducted by Aleksandra Tyszczyk in 2022, mock-up on Biennale Architettura 2023 in Venice “The Laboratory of the Future”