

Sports building in Budapest
- Interdisciplinary Project Based Design

Department of Construction Technology and Management and
Department of Industrial and Agricultural Building Design

COURSE DESCRIPTION

Theme of the course

Define the design program and make the project for a temporary sports building situated in a gap of the inner city of Budapest. Design site: downtown area of Budapest.

Design task

The aim of the course is to define the design program of a temporary sport building in the inner part of Budapest on the base of rent. The construction should operate for 10 years. What kind of structure, which kind shall be chosen? How big should it be? Which material, which building method, which construction is adequate in this situation?

Progress throughout the semester

The course will be held in a workshop style. Students' work will be accompanied by consultants of both departments. Students will have to complete their tasks in groups.

The seminars not only provide space to collective consultations and presentations but also contain the consultant's phase-specific presentations which shall improve the development of the work.

Thus in the beginning of the course students will get familiar with the tasks and the site in form of presentations and site visits. They also get acquainted with examples, possible structural systems, technologies and possible solutions.

The development/progress of their projects will be presented weekly by the students in form of open presentations during the seminars. These presentations will be immediately evaluated by the consultants who will discuss the work in public. As the design process goes on students have to document the architectural and technical interpretation of at least one example, the characteristics of the designed site and the architectural appearance of the building.

Three main phases form the basic structure of the course:

Analysis – discovering the characteristics of the site: history, layers, development plans, etc. The analysis starts with individual exploration, but the final workgroups of 2-4 people will take on the analysis together. From the beginning a teamwork involving all the class will take place based on the discussions of the findings and of the differences of cultures and visions.

Economy analysis and calculations - ...

Architectural plans – architectural behaviour, interpreting the context: building and landscape design. A full documentation of an architectural intervention will be developed in scale 1:200. Design work will be assisted by consultations in class, and common presentation is held with collective critical evaluation.

Participants

The course Project Design is run by two departments: the Department of Construction Technology and Management and the Department of Industrial and Agricultural Building Design. Students' work will be accompanied by consultants of both departments.

Lecturers responsible: István BARTÓK DLA, Zsolt HUSZÁR,

Consultants: Department of Industrial and Agricultural Building Design
– Adrienn BÁLINT, István BARTÓK DLA, Cicelle GAUL DLA

in cooperation with: Department of Construction Technology and Management
– Zsolt HUSZÁR, Róbert KLUJBER,

Departments of Industrial and Agricultural Building Design + Construction technology and Management
Budapest University of Technology and Economics

<p>HALF SEMESTER COURSE 1 Sports building in Budapest – Small public building design considering economy based decisions</p>	<p>Credits: 8</p>	<p>in cooperation with Dept. of Industrial and Agricultural Building Design and Dept. of Construction Technology and Management</p>
<p>Tutors: Adrienn BÁLINT István BARTÓK DLA Cicelle GAUL DLA Zsolt HUSZÁR Róbert KLUJBER</p>	<p>Responsible: Dr Gábor NEMES Vice Dean</p>	
<p>Way of training:</p>	<p>Practical interdisciplinary design course – Lectures, team consultations, common presentations and evaluation in English – according to the timetable</p>	

TIMETABLE AND TOPIC SCHEDULE

Tuesdays 9:15 AM - 5 PM, Fridays 9:15 PM - 5 PM at the room K 222

week	TUESDAY	FRIDAY
<p>1. 16. and 19. February</p>	<p>Registration, introduction Representation of the working process of the course – industrial, construction technology and management Representation of the site, functions – industrial Representation of examples – cons. t. m.</p>	<p>Morning: site visit (Meeting in front of main gate of “K” building at 9:00 AM) Setting up the teams, getting acquainted Students’ short introduction</p>
<p>2. 23. and 26. February</p>	<p>Representation of economy aspects – cons. t. m. Presentation of the chosen function, site analysis – in teams Collecting examples (formal, functional, structural and technological) library, built examples consultation with both Dept.s</p>	<p>Representation of the elements of concept design, layout – industrial Representation of requirements of the study for economy analysis – cons. t. m. consultation with both Dept.s</p>
<p>3. 01. and 04. March</p>	<p>Representation of building process of halls, possible alternatives – cons. t. m. consultation with both Dept.s</p>	<p>Submission, presentation, common evaluation of layout – concept design Architectural and technical interpretation, economy analysis of at least one example, of understanding the characteristics of the site, the architectural and technical form and economy consequences of the building Presentation of the study for economy analysis</p>
<p>4. 08. and 11. March</p>	<p>consultation with both Dept.s</p>	<p>additional submission, common evaluation of layout, concept design</p>

INTERDISCIPLINARY PROJECT BASED DESIGN - BMEEPTCEP01 - 2016. SPRING

5. 15. and 18. March	Day off	Representation of design examples Representation of economy examples consultation with both Dept.s
6. 22. and 25. March	Representation of content requirements of final design – industrial Presentation of requirements of the final economy analysis – const. m. t. consultation with both Dept.s	consultation with both Dept.s
7. 29. March 1. April	final presentation of completed projects and evaluation, discussion	

Conditions:

- accepted first presentation of layout – concept design
 - accepted presentation of final design project plans, (floor plans, section, all elevations 1:200/100, site plan 1:500/200, and model 1:200)
 - accepted economy study with calculation
- Deadline: Tuesday, 29th of March, Presentation starts at 9:15 AM

Grading:

The final grade will be established as the result of the personal and team work of the student in class and at home. The submissions, presentations and class work will be graded according to the following:

- 1st preliminary presentation: 15 %
- economy study: 20 %
- activity during semester workshops: 15 %
- final submission and presentation: 50 %

Grades:	0-49 %	failed	(1)
	50-62 %	passed	(2)
	63-75 %	satisfactory	(3)
	76-89 %	good	(4)
	90-100 %	excellent	(5)

Way of completion:

- active participation in consultations with home-prepared plans and models (presence at least 70% of consultations - according to Code of Studies)
- submission and presentation of complete project plan before deadline
- result is published during a common discussion on 22nd of Oct 2015..

4th February 2016.

Department of Construction Technology
and Management

Bartók István DLA
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Department of Industrial
and Agricultural Building Design