

HALF SEMESTER COURSE 1 SUMMER COOL - WINTER WARM Small public building design using green energy concepts, checked by laboratory practices	Credits: 8	in cooperation with Dept. of URBAN PLANNING AND DESIGN and Dept of BUILDING CONSTRUCTIONS
Tutors: Bálint KÁDÁR PhD Zsuzsanna FÜLÖP PhD Gyula DÉSI Tibor GERMÁN	Responsible: Gábor NEMES Vice Dean	
Way of training	Practical interdisciplinary design course – Lectures, team consultations, laboratory practice, common presentations and evaluation in English	

## TIMETABLE AND TOPIC SCHEDULE

Mondays 8:15 AM - 4 PM, Thursdays 8:15 AM - 4 PM at the room K 344

date	program
1. 15. Feb .	introduction, general information definition of the design topics – sustainable urban spaces organizing the teams (4-6 members) task out: examples of sustainable public spaces and future of transport
1. 18. Feb.	student presentations: examples Lecture by Zsuzsanna FÜLÖP (Building Constructions) Lecture by Tibor GERMÁN (Urban Design) task out: selecting a public space in Budapest
2. 22. Feb.	student presentations: selected public space Lecture by Zsuzsanna FÜLÖP (Green roofs) Lecture by Lajos TAKÁCS (Foundations) task out: base model of the site
2. 25. Feb.	student presentations: refreshed examples suited to the site, model Lecture by Gyula DÉSI (Ventillation) Lecture by Bálint KÁDÁR (Rainwater management) task out: concept for the larger urban context and urban future
3. 29. Feb.	student presentations: larger concept (sustainable urban future) consultation with both Dept.s task out: concept for the specific public space
3. 3. Mar.	student presentations: concept (the selected public space) consultation with both Dept.s task out: underground structures
4 7. Mar.	student presentations: <b>first preliminary presentation</b> of the final concept consultations with both Dept.s

4 10. Mar.	consultations with both Dept.s architectural consultation building construction consultation model consultation
5. 14. Mar.	<i>day off</i>
5. 17. Mar.	student presentations: final design consultations with both Dept.s
6. 21. Mar.	consultations with both Dept.s architectural consultation building construction consultation model consultation
6. 24. Mar.	final consultations with both Dept.s architectural consultation building construction consultation model consultation
7. 28. Mar.	<i>Easter Monday – day off</i>
7. 31. Mar.	final presentation of completed projects and evaluation, discussion

<p>▪ <b>Conditions:</b></p> <ul style="list-style-type: none"> <li>- accepted first presentation</li> <li>- submitted and presented project plans until the Deadline of 31st of March</li> </ul>															
<p>▪ <b>Way of completion:</b></p> <ul style="list-style-type: none"> <li>- active participation in consultations with home-prepared plans and models (presence at least 70% of consultations - according to Code of Studies)</li> <li>- submission and presentation of complete project plan before deadline (floor plans, section, all elevations 1:100, site plan 1:1000 and 1:200, details 1:10 and model 1:200)</li> </ul> <p>▪ <b>Grading:</b></p> <p>The submissions, presentations and class work will be graded according to the following, as result of the personal and team work of the student in class and at home:</p> <p>1<sup>st</sup> preliminary presentation: 20 %  building construction booklet: 30 %  final design - submission and presentation: 50 %</p> <p><b>Grades:</b></p> <table> <tr> <td>0-49 %</td> <td>failed</td> <td>(1)</td> </tr> <tr> <td>50-62 %</td> <td>passed</td> <td>(2)</td> </tr> <tr> <td>63-75 %</td> <td>satisfactory</td> <td>(3)</td> </tr> <tr> <td>76-89 %</td> <td>good</td> <td>(4)</td> </tr> <tr> <td>90-100 %</td> <td>excellent</td> <td>(5)</td> </tr> </table>	0-49 %	failed	(1)	50-62 %	passed	(2)	63-75 %	satisfactory	(3)	76-89 %	good	(4)	90-100 %	excellent	(5)
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**Short description of the course:**

Interdisciplinary Project Design for exchange students is a 2x half-semester design course in English, organized by two Departments - one design and one engineering.

The "GOING PUBLIC ABOVE- AND UNDERGROUND" Project of the Department of Urban Planning and Design and the Department of Building Constructions aims to re-design a public space inside inner Pest, re-thinking the sustainable future of inner-city. The object of the course is to introduce a multi-level design method for students - from general urban concepts to the understanding of design details. The wider concepts must re-think the transportation mobility of inner cities, the green spaces possible in the city, the stormwater and rainwater management in urbanized areas, and the consequences of going underground with constructed elements. It is compulsory to design an underground structure in a public space of the inner city, to re-design public spaces above it and around it, and to elaborate the details and a model for the new structures. A model scaled 1:200 representing also the underground structures will be a comprehensive representation tool for the semester.

The aim of the course is to understand how the design of sustainable inner city public spaces requires real multidisciplinary and a careful design in detail.

**Structure of the semester:**

The work will have to be organized in workgroups of 4-6 people, who will take on the analysis together, make a model together and make all concept and design together. Three main phases form the basic structure of the course:

1. Wide concept of a sustainable inner city – developing a concept through the analysis of various references. A global vision of future transport systems, green systems and functional uses must be developed. The wider area and specific site will have to be analyzed, defining how a new underground structure and public space design can be an integral part of the wide concept.
2. Designing and modelling the public space. Teams have to deliver a design and present it on a detailed model.
3. Construction details. INDIVIDUAL STUDENTS must develop construction details, and the group must elaborate these into one booklet.