

<p>HALF SEMESTER COURSE 2 BEYOND THE BIOPHILIA Public building design in “bio-green” way</p>	<p>Credits: 8</p>	<p>in cooperation with Dept. of PUBLIC BUILDING DESIGN and Dept of BUILDING ENERGETICS AND SERVICES</p>
<p>Tutors: Zoltan SCHRAMMEL Levente FILETÓTH Zoltán MAGYAR Dr Gyula GRÉDICS Zsuzsanna GÉCZI</p>	<p>Responsible: 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

Mondays 8:15 AM - 4 PM, Wednesdays 8:15 PM - 4 PM at the room K 222

week	MONDAY	WEDNESDAY
<p>1. 25. Oct.</p>	<p>National Holiday of Hungary</p>	<p>introduction, general information (2 classes) Lecture by Public Building Design Dept. (2 classes) Lecture by Mechanics, Materials & Structures Dept. (2 classes)</p>
<p>2. 30. Oct.</p>	<p>Morning: site visit - 4 hours Meeting in front of main gate of “K” organising the teams</p>	<p>holiday</p>
<p>3. 6. and 8. Nov.</p>	<p>Lecture: Natural Light Levente Filetóth Presentation of Appetiser Poster of teams (introduction of team and conceptual idea on A4 landscape sheet)</p>	<p>Lecture: Comfort Elements Zoltan Magyar Dr Lecture: Case Study - Workshop Project in Kolding - B.Schrammel</p>
<p>4 13. and 15. Nov</p>	<p>Lecture: Renewable Energy János Viczai consultation with both Dept.s</p>	<p>Lecture: Simulation of Energy Flow Norbert Harmathy Dr consultation with both Dept.s</p>
<p>5. 20. and 22. Nov</p>	<p>building visit: CEU Budapest, guided by co-designers - Teampannon consultation with both Dept.s</p>	<p>Presentation of preliminary phase</p>
<p>6. 27. and 29. Nov</p>	<p>consultation with both Dept.s</p>	<p>consultation with both Dept.s</p>
<p>7. 4. and 6. Dec.</p>	<p>final presentation of completed projects and evaluation, discussion</p>	

- **Conditions:**
- - accepted presentations of intro sheet (on 6th of NOV)
- - accepted preliminary presentations (slideshow, preliminary plans, site model on 22nd of NOV)
- - submitted and presented project plans, (floor plans, section, all elevations 1:200/100, site plan 1:500/200, and model 1.500/200/100). Plans and model should represent architectural forms, details and structures.
- - presented calculation of energetic values of the designed object
- **Final presentation: 6th of DEC, WED, Presentation starts at 9:30AM**

- **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 %
 - energetic study and validation: 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 as detailed before
- - result is published in NEPTUN system

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 - for "BEYOND THE BIOPHYLIA" Project the Public Building Design and Building Energetics and Services departments. The special objective of the course is to explore the interaction between architectural form, function and "green deal" the spiritual and material sources of NATURE. Design program - a new facility for public/semi-public functions connected to the hospital-run will be provided by personal experiences of site analysis and local impressions, research works. Buildings should be designed in the way to use the elements of BIOPHYLIA and even more of the NATURE. Sustainability should be a general deal of the design. Teamwork and individual work will constantly support each other. The semester will also give space to work on some contemporary questions in architecture like the relationship and social aspects of public and private spaces, effects of landscape design, etc.

Motto: today's fiction could be a fact tomorrow.

With the help of tutors students get visions about the possible capacities of different natural sources and living elements - of biology. Designers are encouraged to draw inspirations from the BIOMIMICRY.

Structure of the semester

Three main phases form the basic structure of the course:

1. **Analysis** – discovering the characteristics of the environment: history, layers, natural and built features, 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.
2. **Presentations** - during the course there will be 3 presentation (introduction of team and topic, preliminary plans and final presentation) in order to get practice in this important task of architects - to learn the interpretation of ideas.
3. **References** – groups will collect references of green buildings, bio-architecture solutions and how the experiences can be successfully used to express the architect's vision.
4. **Modeling, form finding** - groups will build physical models. The shapes of these models will be used as input of the architectural design process.
5. **Architectural plans** – architectural behavior, interpreting the context: building and landscape design. A full documentation of an architectural intervention will be developed in scale 1:200/100. Design work will be assisted by consultations in class, and common presentation is held with collective critical evaluation.

Site

Budapest, XI. Tétényi út 12-14. Szt Imre Hospital garden and surrounding area.

