

BME Faculty of Architecture		Department of Industrial Building Design	
		Department of Building Constructions	
Name of the course: Interdisciplinary, Project Based Design			Code: BMEEPTCEP01
A tárgy angol neve:			
Grading:	practical	Credits: 8	Location in the curriculum: Erasmus
Lecturer:	BARTÓK István FÜLÖP Zsuzsanna	Person in charge at the department:	BARTÓK István DLA FÜLÖP Zsuzsanna PhD
Tutors:	Department of Industrial Building Design: Department of Building Constructions:		Dési Gyula, Medvey Boldizsár

COURSE REQUIREMENTS

Requirements of signing up for the subject:	Registration in the NEPTUN system. Prerequisites: according to university regulations
Type of classes:	lectures, student presentations, consultation, workshops, site visits
Requirements of appearance:	According to university regulations, attendance at classes has to exceed 70%! The lecturers may make attendance-sheets during any of the classes.
Requirements during class period:	active presence, project presentations according to schedule
Tasks with deadline :	See timetable below!
Requirements for signature:	Appearance has to exceed 70%. Accepted project presentations
Evaluation at the end of the semester:	Evaluation is based on quality of presentations.

“LOW ENERGY BUILDING”

site:

Budapest, 1st. district.

task: design a “low energy use” office building

The theme of the course is to design an energetically “passive” office building situated in a challenging city plot on the western slope of the Buda Castle Hill (Budapest; 1st district). We try to attain and correspond to architectural quality while designing with an emphasis of utilization passive and active solar systems by orientation of the building, optimizing unnecessary winter heat losses and summer heat gains

connection

Integration of energy saving systems into architectural concept.

construction

Create an interesting building construction for the whole system that fits to the architectural notion.

goals:

low energy use

The energy loss of a “low energy building” is kept to the minimum. These buildings utilize solar heat gain, but are protected against excessive summer heating, have efficient building machinery systems and their supplemental energy need is low. These buildings typically satisfy their energy needs from renewable sources.

city connection

the project should reflect the urban context as well

nature

The project should only use the necessary amount of the hillside – no deep caves please... 😊

quality of the presentations

The midterm and the final presentation should be clear, should express the concept and should be top quality...

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

SCHEDULE			
1st week	09.04	COURSE STARTS	Introductory lectures
	09.06		Introductory lectures
2nd week	09.11		Consultation
	09.13		Consultation
3rd week	09.18		Consultation
	09.20		Day off – Sport Day
4th week	09.25		Presentation and common evaluation of analysis, concept
	09.27		Specific Lectures
5th week	10.02		Consultation
	10.04		Day off – Faculty Day
6th week	10.09		Specific Lectures
	10.11		Consultation
7th week	10.16	COURSE ENDS	Consultation
	10.18		FINAL PRESENTATION of completed projects and evaluation, discussion
			Deadline: 18th of OCT, WED, Presentation starts at 8:30AM <i>The deadline date and the time is strict! No submission is accepted after the given date!</i>

2017. July

BARTÓK István DLA / FÜLÖP Zsuzsanna PhD