

**BME FACULTY OF ARCHITECTURE
DEPARTMENT OF URBAN PLANNING AND DESIGN**

UPDATED 23.03.2020

Name of the course: COMPREHENSIVE DESIGN STUDIO 1		Code: BME EPUIT811 BME EPUIM1K1	
Grading: practical	Credits: 10	Place in the curriculum:	8th /2nd semester
Person in charge at Fonyódi Mariann PhD the department:		Lecturer: Csaba BAJUSZ, Domonkos WETTSTEIN	

COURSE REQUIREMENTS

Requirements of signing up for the subject:	Registration in the NEPTUN system. Prerequisites: according to university regulations Application at the department
Type of classes:	Lectures, student presentations, consultation, workshops, site visits, presentations – individual and group work According to schedule. Consultations with the 4 engineering departments. The consultations are managed in the IT systems of the BME.
Requirements of appearance:	According to university regulations, attendance at classes has to exceed 70%! Participating in the two one-day projects is compulsory. The lecturers may control attendance during the semester at any of the classes. Online attendance at the consultations in the IT systems according to the regulations.
Requirements during class period:	Active presence during the online consultations , project presentations according to schedule Participating in the one-day projects
Tasks with deadline:	Two accepted one-day projects, accepted sketch design, consultations with other departments justified on the signature sheet , semester project at an acceptable level submitted on time – see also semester schedule
Requirements for signature:	Appearance has to exceed 70%. Accepted project presentations Consultations have to be justified on the signature sheet.
Evaluation at the end of the semester:	The semester grade is defined by evaluation the smaller mid-term projects, the individual semester project and its complementary studies. The final grade is defined by a the average of the separate elements according to this formula: Smaller mid-term projects = M; semester project: architectural part = A, semester project engineering parts = S THE FORMULA: $M*0,15+((A*6+S1+S2+S3+S4)/10)*0,85$ All submitted works have to pass separately. Semester grade 0 – 2,00 fail (1) 2,00 – 2,49 pass (2) 2,50 – 3,49 satisfactory (3) 3,50 – 4,24 good (4) 4,50 – 5,00 excellent (5)

COMPREHENSIVE DESIGN STUDIO 1

2019/2020 spring semester – conceptual design – from urban context to a building

SCHEDULE			
1.	02.10.	GENERAL INTRODUCTION OF THE SEMESTER	INTRODUCTION – program and schedule of the semester, methodology, detailed explanation of the analysis, handed out materials – groups formed
	02.13.		SITE – introductory presentations on the site and on the wider urban context
2.	02.17.		SITE VISIT
	02.20.		SITE ANALYSIS – preliminary presentations
3.	02.24.		COMMON MODELL MAKING
	02.28.		PRESENTATION OF THE SITE ANALYSIS (research class) DEVELOPMENT PROGRAM / brief of the one-day project
4.	03.02.	ONE-DAY PROJECT	ONE-DAY PROJECT / urban scale
	03.05.		URBAN MASTERPLAN, conceptual program of the individual projects
	03.07.	EXCURSION	VIENNA housing
5.	03.09.	PRESENTATION #1	URBAN PROGRAM: group analysis, development program – masterplan and the development program of the individual projects - presentation
	03.12.		BUILDING / individual consultation / ONE-WEEK PROJECT
6.	03.16.		BUILDING / individual consultation
	03.19.		BUILDING / individual consultation / ONE-WEEK PROJECT presentation
7.	03.23.		STUDIO WEEK – NO CLASS
	03.27.		STUDIO WEEK – NO CLASS
8.	03.30.		BUILDING / individual consultation
	04.02.		BUILDING / individual consultation / ONE-WEEK PROJECT presentation
9.	04.06.	PRESENTATION #2	BUILDING / SKETCH DESIGN – concept design of the buildings, architectural critique, common presentation
	04.09.		BUILDING / individual consultation
10.	04.13.		BUILDING / individual consultation + SKETCH DESIGN second presentation Presentation of the contemporary housing project (research class)
	04.16.		BUILDING / individual consultation
11.	04.20.	one day project	BUILDING / individual consultation / ONE-DAY PROJECT / urban scale
	04.23.		BUILDING / individual consultation
12.	04.27.	ONE-DAY PR. / SUB	BUILDING / individual consultation / ONE-DAY PROJECT / urban scale
	04.30.		BUILDING / individual consultation
13.	05.04.		BUILDING / individual consultation
	05.07.		BUILDING / individual consultation
14.	05.11.		BUILDING / individual consultation
	05.14.		BUILDING / individual consultation
15.	05.18 –22		Studio week: individual consultation if needed
			Submission deadline: May 22 th 2020. 12.00. / Second submission deadline: May 29 th 12.00 (paying late submission fee) PLANNED DATE OF FINAL PRESENTATION AND EVALUATION: June 5 th 2020.

COMPREHENSIVE DESIGN STUDIO 1

2019/2020 spring semester

UNIVERSITY LIVING IN THE METROPOLITAN TISSUE OF BUDAPEST

As we spend our university years, we need a wide variety of different spatial situations. Beyond the week-days on campus, university students' housing, learning habits, community and leisure activities also seek new spatial forms. Meanwhile, student's lifestyle are strongly linked to metropolitan vibe, international students bring new cultures to the city, further enriching the diverse local climates. New functions and spatial needs are often embedded in historic urban fabric redefining the old housing structures. To meet this new challenges of student life and new forms of accommodation will emerge over time or the old ones need to be re-interpreted. During the semester we are looking for this new possibilities of university students housing forms and will try to rethink the existing functional structures from the architectural, educational and sociological point of view.

During the course we will study and analyse a large number of social housing examples also in Budapest, in Vienna and also in other countries. The research (specially for Msc students) focusing on typologies will continuously go parallel to the semester. In March a study trip to Vienna will be organized, where contemporary developments will be visited with the guidance of their architects/urban designers.

The topic of the semester will be the same for the whole group.

The semester is divided in 3 parts: research about the topic; concept making and design process. We will start with common groupwork and will continue with individual designs based on the common concept.

The site of the semester will be the same for everyone, and will be a few urban blocks in the historic tissue of Józsefváros Palace District, between the Hungarian Radio and the ELTE Trefort Ágoston High School (see aerial) with a large number of empty plots and infill possibilities. In the immediate neighbourhood of the area we can find various university buildings and faculties. During the semester we will deal with: urban renewal, historic typologies of Pest, infill developments, housing typologies: co-housing and social housing, urban sustainability.

SITE, PROGRAM PHASE

SITE ANALYSIS, DEVELOPMENT OF THE BUILDING PROGRAM, URBAN MASTERPLAN + INDIVIDUAL CONCEPT

- ANALYSIS the analysis of the local conditions: spatial, environmental, urban and social characteristics of the site summarized in presentation pages – in harmony with the research course
- PROGRAM, MASTERPLAN common urban development scheme based on the findings of the analysis
- INDIVIDUAL TASK: PROGRAM AND CONCEPT OF THE SEMESTER PROJECT

The first part of the semester is the urban concept making: getting acquainted with the site in groupwork, analysis according to specific predefined aspects, development of a common program and development concept that is developed into an urban masterplan. At the end of this phase the site and concept of the individual task has to be defined.

TO BE SUBMITTED:

- Analysis documented in A3 pages
- Program and development program M=1:1000, M=1:500
- Common model M=1:500
- Character drawings, renderings, photo documentation, written summary of the development program

DESIGN PHASE

ONE-WEEK PROJECT

ANALYSIS OF THE FUNCTION: preparing the detailed room program of the individual project, defining needs for the function, analysis of similar buildings, with references and floor plan schemes

SKETCH DESIGN

M=1:200

Architectural sketch design: definition of the individual project fitting into the common urban masterplan, defining the development scheme, building mass, function, architectural character of the building or group of buildings. With the analysis of the function the building program is defined. This phase finishes with a 1:200 scaled architectural sketch design presentation.

TO BE SUBMITTED:

- ~~MODELL (preliminary)~~ ~~M=1:200~~
- **Renderings (min 4 picture)**
- Site plan M=1:500
- Floor plans M=1:200
- Elevations, sections M=1:200

Sketches, renderings, references – everything that can help to present the concept, character, architectural intentions of the building. Emphasis is on grabbing and presenting the scheme, concept, character of the planned building, so model is an important element of the presentation. To justify how the concept fits into the urban concept the site plan has to be presented with its environment.

SEMESTER PROJECT

M=1:100

The third part of the semester is about preparing the architectural documentation of a building permit for your building together with the 4 supplementary studies of the other departments. The building has to be developed together with its environment and its design has to fit into the urban masterplan prepared in the first part of the semester.

TO BE SUBMITTED:

- ~~MODELL~~ **Renderings (min 4 picture)** M=1:200
- Site plan with the environment M=1:500, M=1:1000
- Floor plan of every floor M=1:100
- All elevations M=1:100
- At least two section (perpendicular to each other) M=1:100
- Supplementary booklets according to the content defined by the other departments.

At specific parts of the semester there are two one-day projects that complement the semester work and help to develop the semester project more deeply. These short „projects“ are important parts of the overall semester work nevertheless they will be also evaluated separately.

REQUIREMENTS OF THE SEMESTER

The classes will be in room K353 every Monday and Thursday from 9.00 to 13.00. Individual consultations in the second part of the semester will also be during these hours. According to university regulations, attendance at classes has to exceed 70%! Not attending 70% of the classes might result in a failure in the semester. Work during term period (appearance, presentations, participation) is going to be included in the semester grades! Attendance means active attendance so it is only accepted if you prepare material for class!

REQUIREMENTS OF THE PROJECT WORK: two accepted one-day projects, accepted sketch design, consultations with other departments ~~justified on the signature sheet~~, semester project at an acceptable level submitted on time

PRESENTATION AT THE END OF THE SEMESTER

An important final act of the semester is the final, oral presentation of the semester work that is followed by a common evaluation of the semester and also the projects. For this presentation all consultants are invited, moreover other guest will be participating from the municipality and from the department. Final mark will be influenced by the quality of the presentation. The goal is practicing the presentation of your project.

Planned date of the PRESENTATION: June 5th 2020 / GRADING: directly afterwards