ARCHITECTURAL DESIGN IV

2024/25.
2ND SEMESTER

BASIC DATA			
COURSE NAME	**ARCHITECTURAL DESIGN IV**		
COURSE CODE(S)	YARÉTE4BNF		
ORGANIZATIONAL UNIT	Óbuda University Ybl Miklós Faculty of Architecture, Institute of Architectural Engineering		
DEPARTMENT	architectural engineer BSc		Erasmus
RESPONSIBLE FOR THE SUBJECT	Prof.Dr. Gyula Kiss DLA, university professor	kiss.gyula@ybl.uni-obuda.hu	reception hours during the busy period: any changes are published on the website, otherwise by e-mail consultation.
ORGANIZER/ INSTRUCTOR/ LECTURER	Ian Kevin Chaplin studio	chaplin.ian@ybl.uni-obuda.hu	reception hours during the busy period: any changes are published on the website, otherwise by e-mail consultation.
PREREQUISITES	ERASMUS: Inapplicable // GENERAL: Building Design III. + Building Structures III.		
LECTURES	2 hours		
CLASSROOM EXERCISE/ LABORATORY EXERCISE (WEEKLY)	4+2 hours		
FIELD AND INDUSTRIAL PRACTICE	0 hours		
ASSIGNMENT	Acceptable completion of tasks within the deadlines: - Presentations - End of semester, submission of assignments (uploaded to the online interface) and presentation. - Receiving an acceptable grade by the course supervisor based on the proposal of the instructor.		
CREDIT POINTS AVAILABLE	**11** credits // **8** credits		
COURSE TASK, BRIEF DESCRIPTION	**The Design Task** In the eclectic urban environment of the 6th district of Budapest there are 9 plots that need to be redeveloped. The project task will be to design a public building on one of these plots. The design must reflect an understanding of the role of this building: • as a large build artefact in configuration with other artefacts • as a quantitative addition space of a specific function amongst an amount of space dedicated to similar and different functions • and how people experience its space and build physical elements statically and in movement • and the physical performance of its structural and finishing materials and their metaphysical associations **Location options** (6th district, Budapest) 1.Székely Bertalan 25 2.Aradi utca 44 3.Csengery utca 47 4.Székely Bertalan 11 5.Rózsa utca 97/b 6.Szondi utca 60 7.Rózsa utca 109 8.Bajza u. 34 9.Bajza u. 43		

	Self Help Questions ● Public building ○ Why is there a designation as public building and a private building? ○ How does ownership and openness influence the use and design possibilities? ○ How do users identify transitions between spaces? ○ How do you support public engagement? ○ Who is your projected main-user group and which are secondary user groups? ○ How does your building communicate its use to unaware potential visitors? ● Street facade ○ How does the facade relate to its neighbors? ○ How do you use depth in your facade? ○ How dense is your building and why? ○ What panorama do you offer users? ○ How do you relate to engineering elements? ○ How do people recognize the entrance? ○ How open is the facade (window to wall ratio) and why? ○ Structural facade / stick system facade / element facade ○ What type of glass will you use? ● Roofscape ○ Who will use the roof and how? ● Logistics ○ With which vehicle do people arrive? ○ Is there a back end concept to the building (are technical/ administrative/ waste etc. spaces and operations hidden from visitors)? ○ What are the routes different users use? ○ Do the routes meet and in which cases is this good? ○ How many square meters does this transition space take up? ○ Is there any other use of the transition space? ○ How are spaces interconnected or separated because of the transition space ● Structural approach ○ What material will your building be made from and why? ○ What type of grid is necessary (does it relate to parking?) ○ Will the facade be a main or secondary structure?
RECOMMENDED LITERATURE	Will be specified during class
TECHNICAL EQUIPMENT REQUIRED	Students are free to use any suitable software and media, as long as it fulfils the requirements and aims of the course.

WEEK	TOPIC	QUESTIONS	PRODUCTS
1. 2.17 2.19	KICKOFF	Reflect on the design task (see above) 1. The type of public building? 2. What is your building concept (direction) and design intention (goal)	• Presentation of your building concept through personal choice of material. *Possibly: References / Sketches/ Brainstorm maps/ short description* • Material with which to explain your thought process.
2. 2.24 2.26	CONTEXT	1. The shape of your building 2. The plinth of your building 3. Greenery	• 1:200 Site Drawing • 1:200 Physical site model • Personalized site analysis
3. 3.03 3.05	SKETCH	1. The brief (also known as a program) 2. What will give character to your building? 1. 3. What will the construction material be?	Sketch design: *With good reasons you can do something different than the following products:* • 1:200 Zones ○ In plan and section • Building volume Isometric ○ in sketch and model • Experimental design diagram ○ in sketch and model

4. 3.10 3.12	SKETCH V2	1. How has your project been developed since last week?	Developing sketch design and working towards concept design
5. 3.17 3.19	PUBLIC BUILDING	2. How does your building engage with the public? 3. What does the building allow users to do which wasn't there before? 4. How do you want your building to look?	Developing sketch design and working towards concept design
6. 3.24 3.26	CONCEPT	1. What will your building finish be? 2. What is your organizing principle for the openings in your building façade? 3. Where do you want daylight to enter? 4. How do you allow spaces the view that you want?	Concept design *With good reasons you can do something different than the following products:* • 1:200 Site map • 1:100 Floorplan (all floors) • 1:100 Sections (2) • 1:100 Elevations (all the relevant ones) • 1:200 physical model of the project that fits on the site model • 1 explanatory diagram
7. 3.31 4.02	PRESENT	1. What is the reason your design is a good idea?	• Cleaned up version of last week • All products, format to be decided later
8. 4.07 4.09	IMPROVE		• Developing concept design and working towards permission plans
9. 4.14 4.16	DESIGN	1. What are your walls/frames/floor/roof made from? 2. What are the finishes of those elements?	• Developing concept design and working towards permission plans
10. 4.28 4.30	CONSTRUCTION	1. How should your building be built?	• 1:200 Site map • 1:100 Floorplan (all floors) • 1:100 Sections (2) • 1:100 Elevations (all the relevant ones) • 1:200 physical model of the project that fits on the site model • 1 explanatory diagram
11. 5.12 5.14	VISUALIZE	1. How do you communicate your design without words?	1 visually stunning: • 1:100 floorplan • 1:100 section or a perspective section without scale • 1:100 elevation
12. 5.19 5.21	PRESENT		• All products, format to be decided later
13. 5.26	REPAIR		

REQUIREMENTS FOR THE COMPLETION OF THE SEMESTER	
INTER-YEAR TASKS AND REQUESTING ACCOUNTS	
REQUIREMENT	**DESCRIPTION**
REQUIREMENTS FOR ATTENDANCE AT MEETINGS	The effects of and exact regulations regarding absence are governed by University standards. It is expected and an obligation of students to be aware of these standards. Most relevant in this regards are § 46 and § 48 of the ETVSZ Attendance will be checked at the start of the class, being late will count as being absent up to the discrepancy of the lecturer. Important: Without the presentation of the required material during consultation a student will be counted as having been absent.
PROCEDURE FOR CERTIFICATION IN CASE OF ABSENCE FROM CLASSES	Products always remain requirements. Falling behind could result in failing the semester, which is up to the discretion of the instructor
Short description of SEMESTER assignment:	Design and present a public building from a strong conceptual basis up to permission standards

SEMESTER REQUIREMENTS					
CONDITIONS FOR OBTAINING A SIGNATURE	Attending, delivering deliverables and cooperating throughout the semester. Accomplishing presentations with the necessary deliverables up to the required standards and submitting the presented design proposal in one single (300 dpi, smaller than 60mb) pdf file before the presentation, including pictures of the physical models. Products need to be uploaded to moodle, unless otherwise specified by the instructor The signature can be replaced as part of the Signature Replacement Exam on one of the first 10 days of the exam period, which will be announced in Neptun. In this, one of the pages of the plan submitted in full and on time can be corrected, or if the delay has occurred due to an administrative obstacle accepted by the instructor, e.g. if charging is blocked. This exam is subject to a fee.				
Semester evaluation:	1 - INSUFFICIENT	2 - LOW	3 - MEDIUM	4 - GOOD	5 - EXCELLENT