COMPLEX DESIGN 2

2025/26.
2ND SEMESTER

BASIC INFORMATION			
COURSE NAME	**COMPLEX DESIGN II**		
COURSE CODE(S)	YAXCD2FMNF		
ORGANIZATIONAL UNIT	Óbuda University Ybl Miklós Faculty of Architecture, Institute of Architectural Engineering		
DEPARTMENT	architectural engineer MSc		Erasmus
RESPONSIBLE FOR THE SUBJECT	Prof. Dr. Györgyi Csontos, university professor	csontos.gyorgyi@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.
	Alnatour Lama Basem Theory	natour.lama@ybl.uni-obuda.hu	reception hours during the busy period: any changes are published on the website, otherwise by e-mail consultation.
PREREQUISITES	COMPLEX I		
LECTURES	2 hours		
HOURS OF CLASSROOM TRAINING (WEEKLY)	4 hours		
FIELD WORK AND TRAINING (WEEKLY)	0 hours		
ASSIGNMENT	Weekly deliverables, participation (incl. sketchbook), midterm presentation, final presentation		
CREDITS	**8** credits		
COURSE TASK, BRIEF DESCRIPTION	**The Urban Design Task** Florian Tér is an important cultural, infrastructural and historical node within the city of Budapest. While it clearly has potential its complexity has prevented re-development, until now! Now it is up to you and your team to come up with an approach to revitalize the area! Start as a group of (Approx. 4) urban designers by unraveling its complexity and designing a masterplan. Many famous architects want to take part in your masterplan, choose the same number of architects from the list as you have team members. As these architects are meant to develop your masterplan into separate architectural projects make sure to make most of their abilities in their designated position in your plan! **The Architectural Design Task** After your masterplan presentation your team will now continue individually as if you were apprentices of those architects. You will have creative autonomy, but these architects are meant as inspirational mentors. You will have to explain your ideas to them and the instructor will reason and reply as if he was that architect. It is now up to you to inspire others with a great concept plan! The last stage is the permission stage, which is meant to practice architecture not only as an art but also the craft of building. The basis of which is applying a robust technical understanding of the construction industry and draftsmanship to refine, define and communicate your design		

	The List of Architects 1. 6a Architects 2. Lacaton & Vassal 3. David Chipperfield 4. Dogma 5. Pezo von Ellrichshausen 6. Harquitectes 7. Alvaro Siza 8. Neutelings Riedijk 9. Herzog & de Meuron 10. Toyo Ito 11. Winy Maas 12. Bjarke Ingels 13. Sou Fujimoto 14. Peter Zumthor 15. Wang Shu 16. Norman Foster 17. Rem Koolhaas
RECOMMENDED LITERATURE	Case Studies: - El Croquis - Lewis, P., Tsurumaki, M. and Lewis, D. J. (2016) *Manual of Section*. New York: Princeton Architectural Press. Technical references: - Structural and Climatic design - Building Construction Illustrated by D. K. Ching - Detailing - detail practice books (check library for available topics) - Technical Drawing styles - architectural graphics by D.K.Ching Conceptual Drawing styles - El Croquis reference books
TECHNICAL EQUIPMENT REQUIRED	Students are free to use any suitable software and media, if it fulfils the requirements and aims of the course. AI can be used, unless more institution wide protocols are in place, which in that case should be adhered to. If a product is (even partly) produced by AI, it is required to note it clearly in or directly next to the work itself and provide a short, written explanation on the way it has been used, somewhere within the framework of the presentation.

SCHEDULE OF THE SEMESTER

WEEK	PHASE	GOAL	(minimal) PRODUCTS	THEORY
1. 2.18	BRAINSTORM	Getting to know assignments and establishing pre-conditions		Lecture: Site analysis and data collection
2. 2.25	MASTERPLAN	Your team needs to know what they want to achieve with this project to be able to develop an approach.	• Specify in one paragraph your group's intention • Superficial SWAT analysis • Choose architects • Plan what you need to document and how	Lecture: Place and relating to the urban fabric.
3. 3.04	MASTERPLAN	It is time to test your assumptions by investigating those parameters or aspects that threaten or are vital to your goal.	• Physical model of the site (in the scale that you need) • Personalized site analysis • Schematic master planning	Lecture: Creating concepts, meeting societal needs and problem solving.
4. 3.11	MASTERPLAN	Critical reflection iteration, establish what is strong and what is weak about your masterplan and adjust accordingly	• Conceptual masterplan (products either based on your own specifications or when specified as required by the instructor) • Concept per architect	Lecture: Creating concepts, meeting societal needs and problem solving 02.
5. 3.18	MIDTERM PRESENTATION	As a group to present your ambitious masterplan with conviction. Followed by an individual explanation of the different parts of the masterplan by the person who will take up that part and will develop that part further in the weeks to come.	• Masterplan • Physical model of the urban plan • Individual concept presentation based on the architect	Lecture: Time management in relation to design process.
6. 3.25	SCHEMATIC	Finding a spatial layout that is both practical and conceptually robust.	• Project concept • Form study • Project brief • Schematic floorplan	Lecture: Time management in relation to design process.
7. 4.01	SCHEMATIC/ CONCEPT	Improving the design so it is structurally sound and visually follows your personal expression and intentions for the context	• Improved previous products • Structural concept + drawn in respective technical drawings with dimensions • Façade sketch	Lecture: Time management in relation to design process part 02 Practice and construction related planning.
8. 4.08	CONCEPT	Improving the design conceptually by adding functional specifications that strengthen its architectural intentions.	• Improved previous products • Basic technical specifications of walls, windows, floors, roof, doors, HVAC etc. • Concept level drawings (plans, sections, elevations)	Lecture: structural systems and architectural drawings.
9. 4.15	CONCEPT	Improving the design conceptually by adding definition to the façades and specifying the layering of building elements	• Improved previous products • Façade concept up to concept design level • Building element layer specifications with thicknesses	Lecture: structural systems and architectural drawings.
10. 4.22	PERMISSION	Improving the design conceptually by adding	• Improved previous products	Lecture: Architectural drawings, technical

		definition and specification	• Print out of each drawing type (plan, elevation, section) up to permission level detail	drawing and presentation.
11. 5.06	PERMISSION	Improving the design conceptually by adding definition and specification	• Improved previous products • 1:200 Site map, 1:100 Floorplans (all floors), 2x 1:100 Sections, 1:100 Elevations (all the relevant ones) all at permission level • Physical model of your part of the project, scale to be determined in consultation with the instructor	Lecture: Architectural drawings, technical drawing and presentation.
12. 5.13	FINAL PRESENTATION	Sell your project!	• All technical drawings needed for permission • Project presentation • Physical Model	Lecture: Presentation skills for architects.
13. 5.20	REPAIR			

REQUIREMENTS FOR THE COMPLETION OF THE SEMESTER	
MID-SEMESTER TASKS AND TESTS	
REQUIREMENT	**DESCRIPTION**
PARTICIPATION AT LESSONS	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 regard 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. During the lessons the use of a phone is prohibited, unless mentioned otherwise. It is up to the discrepancy of the lecturer to determine a penalty for not complying to this rule. Important: Without the presentation of the required material during consultation a student will be counted as having been absent.
IN CASE OF ABSENCE FROM LESSONS AND EXAMINATIONS	Note that all deliverables remain requirements even in the case of absence. It is the responsibility of the student to bring the deliverables forward, if necessary, in subsequent consultations. Falling behind could result in failing the semester, which is up to the discretion of the instructor
Participation/attendance and teamwork 20 Points	Students will be working in teams at the early stages and are expected to participate equally in creating the master plan deliverables. Students are expected to consistently show up for both studio and lecture.
MIDTERM PRESENTATION 20 Points	Qualitative requirements: - Persuasive presentation - Argumentative design decisions For quantitative requirements: See schedule of the semester
FINAL PRESENTATION 60 Points	Qualitative requirements: - a coherent design - a planned design process - sensible relation to the local context - a personal conceptual design - a sensibility towards contemporary topics and trends - sensible use of physical working models - communicative drawings - coherent facades - coherent interior and exterior materials - participation within the group - sensible indoor climate scheme - sensible structural scheme - coherent details For quantitative requirements: See schedule of the semester
Total:100 Points	

SEMESTER CLOSING 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 GRADE	0-59 Point	60-69	70-79	80-89	90-100
SEMESTER GRADE	1 - FAIL	2 - PASS	3 - SATISFACTORY	4 - GOOD	5 - EXCELLENT