

COMPLEX DESIGN I. (Bsc)

2024/25. 1. SEMESTER

BASIC INFORMATION		
COURSE NAME	Complex design I.	Komplex tervezés I.
COURSE CODE(S)		
DEPARTMENT	Óbuda University, Ybl Miklós Faculty of Architecture, Institute of Architecture	
PROGRAMME, TRAINING	Architect BSc	full time
COURSE INSTRUCTOR (Instructor managing the course)	dr. habil Rohoska Csaba DLA egyetemi docens rohoska.csaba@uni-obuda.hu	Personal consultation: schedule an appointment by e-mail, In case of online training: MS Teams / Zoom
INSTRUCTORS, LECTURERS	Mizsei, Anett assistant professor mizsei.anett@uni-obuda.hu	Personal consultation: schedule an appointment by e-mail, In case of online training: MS Teams / Zoom
	dr. Cseh, Zsolt master lecturer cseh.zsolt@ybl.uni-obuda.hu	Personal consultation: schedule an appointment by e-mail, In case of online training: MS Teams / Zoom.
	Kovács-D., Barnabás master lecturer kovacs.barna@uni-obuda.hu	Personal consultation: schedule an appointment by e-mail, In case of online training: MS Teams / Zoom
	Ulmann, István guest lecturer ybl@studio314.hu	Personal consultation: schedule an appointment by e-mail, In case of online training: MS Teams / Zoom
	Alnatour, Lama assistant professor natour.lama@ybl.uni-obuda.hu	Personal consultation: schedule an appointment by e-mail, In case of online training: MS Teams / Zoom
PRE-REQUIREMENT	Building Design IV., Architectural structures IV., History of Architecture IV.	
HOURS OF LECTURES (WEEKLY)	0 óra	
HOURS OF CLASSROOM TRAINING/ LABORATORY TRAINING (WEEKLY)	6 óra	
FIELD WORK AND TRAINING (WEEKLY)	0 óra	
ASSIGNMENT	term mark	
CREDITS	6 credit points	
AIM OF THE COURSE, BRIEF DESCRIPTION	<p>Aim of the course: Develop complex/critical thinking, using progressive research methods and investigations! Defining a design programme that is appropriate to the research findings. Setting and achieving progressive / creative / pragmatic architectural goals. Exercising and coordinating the design process with co-disciplines along the set objectives, from conceptual design to final design. Applying contemporary architectural trends in the appropriate place and manner, recognising and applying unity of function and form. Exploring the problems of the 21st century metropolis and the formulation of spaces of "mass" coexistence through a variety of public functions!</p> <p>Brief: PUBLIC DESIGN (design studio) The semester assignment is to develop a "complex" plan for a specific site. The site is the focus of the professional subjects for the semester. Students will carry out investigations and impact studies on the design site and its wider environment, exploring urban design and architectural problems to be solved</p>	

ÓU YBL MIKLÓS FACULTY OF ARCHITECTURE AND CIVIL ENGINEERING – SUBJECT PROGRAMME

	<p>through creative exercises. Through a complex analysis of the allocated site, students (working in groups) finalise the design programme. Through related subjects (organisation, urban planning, architectural history, building structures), students can focus their knowledge in the design process to achieve an integrated outcome. The assignments are partly carried out in teamwork (urban design level), the final result is a project of independent work (public building level). The design process will include a wide range of conceptual drawings, models, mock-ups, form experiments, and the finalized plan will be presented by the student together with visual plans, elaborated technical design documentation, presentation level models and supporting work parts!</p>
<p>RECOMMENDED LITERATURE & REFERENCES</p>	<p><i>Vukoszávlyev Zorán - Szentirmai Tamás (2010): Kortárs portugál építészet. TERC Kft., Budapest</i> <i>Vukoszávlyev Zorán (2005): Kortárs holland építészet. TERC Kft., Budapest</i> <i>Cságoty Ferenc (szerk.) (2004): Középületek. TERC Kft., Budapest</i> <i>Tim Richardson (2009): Konceptuális kertek. TERC Kft., Budapest</i> <i>Neil Spiller (2008): Digitális építészet ma - Globális vizsgálat egy újfajta tehetségről. TERC Kft., Budapest</i> <i>Antony Radford-Selen Morkoç-Amit Srivastava (2016): A modern építészet elemei. 50 kortárs épület értelmezése. TERC Kft., Budapest</i> <i>Ernst Neufert (2014): Építés- és tervezéstan 2. átdolgozott kiadás. DIALOG CAMPUS, Budapest</i> <i>Stephanie Travis (2015): Sketching for Architecture + Interior Design. LAURENCE KING PUBLISHING LTD., London</i> <i>Will Jones (2011): Architect's Sketchbooks. THAMES & HUDSON, London</i> <i>Colin Davies (2006): Plans, Sections and Elevations: Key Houses of the Twentieth Century. LAURENCE KING PUBLISHING LTD., London</i> <i>Hilary French (2008): Plans, Sections and Elevations: Key Urban Housing of the Twentieth Century. LAURENCE KING PUBLISHING LTD., London</i></p>
<p>REQUIRED TECHNICAL APPLIANCES/ SOFTWARE</p>	<p>In case of online training: Neptun E-learningen systems and e-mail. Assignments: Moodle E-learning Qwn computer is required to work digitally on the task, materials and tools for making models as detailed later in the topic.</p>

SCHEDULE OF THE SEMESTER				
WEEKS	LESSON 1. 8:55-9:40	ELŐADÓ	LESSONS 2-6. 9:50-14:15	PROGRAM OF PRACTICE
1. Tuesday 10.09.24. 8:55-14:15	Joint studio practice. Presentation of the semester, discussion of presentation "milestones" and midterm deliverables, assignment hand-out. Formation of student groups, registration.	Mizsei, Anett Alnatour, Lama	Classroom lesson + field trip	On-site visit. Familiarisation with the site of the semester's planning exercise and the surrounding urban context.
2. Tuesday 24.09.17. 8:55-14:15	Joint studio practice. Public space and place - urban context, regulatory issues.	Cseh, Zsolt, lecturers of the subject	Classroom consultation	Environmental analysis, installation and building concept task masterplan consultation, group workshop m=1:500 scale, edited drawings and freehand sketches, 1 model
3. Tuesday 24.09.24. 8:55-14:15	Joint studio practice. PLACE – SPACE. Spatial design, place and function.	lecturers of the subject	Classroom consultation	Environmental analysis, installation and building concept task masterplan consultation, group workshop m=1:200 scale, edited drawings and freehand sketches, 1 model
4. Tuesday 24.10.01. 8:55-14:15	Classroom practice, consultation per group.	lecturers of the subject	Classroom consultation	Environmental analysis, installation and building concept task masterplan consultation, group workshop m=1:200 scale, edited drawings and freehand sketches, 1 model
5. Tuesday 24.10.08. 8:55-14:15	Classroom practice, consultation per group.	lecturers of the subject	Classroom consultation	Environmental analysis, installation and building concept task masterplan consultation, group workshop m=1:200 scale, edited drawings and freehand sketches, 1 model
6. Tuesday 24.10.15. 8:55-14:15	Joint workshop exercise of task 1-2.: environmental analysis, installation and building concept task masterplan. 90% completion demonstration, joint feedback round of submitted work. The presentation documents must be uploaded to Moodle by the start of the lesson per team!	lecturers of the subject	Közös műtermi gyakorlat	Joint workshop exercise of task 1-2.: environmental analysis, installation and building concept task masterplan. 90% completion demonstration, joint feedback round of submitted work. The presentation documents must be uploaded to Moodle by the start of the lesson per team! Uploading and acceptance by the instructors - "final signature" is a requirement for completing the Week 6 presentation. It is possible to make up the 90% presentation in week 6, but this will result in a late submission of the assignment.
7. Tuesday 24.10.22. 8:55-14:15	PRESENTATION	lecturers of the subject	PRESENTATION	Submission of task 1-2.: environmental analysis, installation and building concept task masterplan T.: scale m=1:200 drawings, sketches, model 1 m=1:500 plans: A/2, A/3 print, model: 1mm cardboard Submission is possible only by personal attendance and uploading to Moodle by the deadline, only at the time and place of the practical lesson. Work considered to be incomplete or of insufficient quality may be returned by the tutor for further work or correction.

				90% completion replacement demonstration. Failure to make up the presentation will result in the semester being failed.
8. Tuesday 24.10.29. 8:55-14:15	Replacement submission of task 1-2.: environmental analysis, installation and building concept task masterplan T.: scale m=1:500 drawings, sketches, model 1 m=1:500 plans: A/2, A/3 print, model: 1mm cardboard Submission is possible only by personal attendance and uploading to Moodle by the deadline, only at the time and place of the practical lesson. The trainer may disqualify you from the semester if the work is considered incomplete or of insufficient quality! In the replacement assignment, the maximum possible mark is 60% of the mark obtained for the assignment!	lecturers of the subject	Classroom consultation	Consultation of semesterly assignment and model, workshop m=1:100 scale, edited drawings and freehand sketches, 1 model
9. Tuesday 24.11.05. 8:55-14:15	Tantermi gyakorlat, konzultáció gyakorlati csoportonként.	lecturers of the subject	Classroom consultation	Consultation of semesterly assignment and model, workshop m=1:100 scale, edited drawings and freehand sketches, 1 model
10. Tuesday 24.11.12. 8:55-12:25	Tantermi gyakorlat, konzultáció gyakorlati csoportonként.	lecturers of the subject	Classroom consultation	Consultation of semesterly assignment and model, workshop m=1:100 scale, edited drawings and freehand sketches, 1 model
Tuesday 24.11.19.	REKTORI SZÜNET			
11. Tuesday 24.11.26. 8:55-12:25	Joint workshop exercise: 90% completion demonstration, joint feedback round of submitted work. The presentation documents must be uploaded to Moodle by the start of the lesson per team!	lecturers of the subject	Közös műtermi gyakorlat	Joint workshop exercise: 90% completion demonstration, joint feedback round of submitted work. The presentation documents must be uploaded to Moodle by the start of the lesson per team! Uploading and acceptance by the instructors - "final signature" is a requirement for completing the Week 6 presentation. It is possible to make up the 90% presentation in week 6, but this will result in a late submission of the assignment.
12. Tuesday 24.12.03. 8:55-12:25	PRESENTATION	lecturers of the subject	PRESENTATION	Submission of task 3.: of semesterly assignment and model scale m=1:100 drawings, sketches, model 1 m=1:200 plans: A/2, A/3 print, model: 1mm cardboard Submission is possible only by personal attendance and uploading to Moodle by the deadline, only at the time and place of the practical lesson. Work considered to be incomplete or of insufficient quality may be returned by the tutor for further work or correction. Submission of task 4.: POSTERS. 90% completion replacement demonstration. Failure to make up the presentation will result in the

				<p>semester being failed. Replacement submission is possible 1 week late, on week 13th. In the replacement assignment, the maximum possible mark is 60% of the mark obtained for the assignment!</p>
<p>13. Tuesday 24.12.10. 8:55-12:25</p>	<p>PRESENTATION</p>	<p>lecturers of the subject</p>	<p>PRESENTATION</p>	<p>Replacement submission of task 3.: of semesterly assignment and model scale m=1:100 drawings, sketches, model 1 m=1:200 plans: A/2, A/3 print, model: 1mm cardboard Replacement submission of task 4.: POSTER Submission is possible only by personal attendance and uploading to Moodle by the deadline, only at the time and place of the practical lesson. Work considered to be incomplete or of insufficient quality may result in failing the semester.</p>

REQUIREMENTS FOR THE COMPLETION OF THE SEMESTER		
MID-SEMESTER TASKS AND TESTS		
Requirement	Description	Value (points)
PARTICIPATION AT LESSONS	The maximum number of absences from practical classes is three, the requirements of the course are set out in the University Study and Examination Regulations and the Faculty Supplement (especially ETVO § 46) Attendance at the sessions is equal to compliance with the contents of the programme: consultation of assessed assignments brought for consultation and active class work!	-
IN CASE OF ABSENCE FROM LESSONS AND EXAMINATIONS	Absence exceeding the above three occasions will be considered as justified if accompanied by a certificate from a specialist doctor, hospital discharge report, etc. (only a certificate from a general practitioner is not acceptable).	-
1. SITE ANALYSIS	<p>The wider (district level) research material for the planning site annexed to the subject programme. Research on the history of the settlement and architecture of the district.</p> <p>Green spaces, traffic load studies and built environment (existing/active/non-active) features in the immediate vicinity of the planning area! Mid-term submission and presentation is mandatory.</p> <p>REQUIREMENTS:</p> <p>The text to be prepared as part of the installation concept task min. 10.000 characters! Copies of maps, site photos, archival, historical, Historical, archaeological and architectural data, processed by freehand or by typewriter, edited, historical, archival, historical, historical, archaeological, historical, historical, archaeological, historical, etc. (printed) drawings, graphs, explanatory diagrams and sketches in A/2 or A/3 booklet format!</p> <p><i>contents:</i> copies of maps, site photos, archival, historical, architectural data/drawings, graphs, explanatory diagrams and freehand sketches</p> <p><i>formal requirements:</i> Edited documentation attached to the siting concept! The content of the data and knowledge collected during the research and their visualisation are essential aspects of the evaluation! Presentation of the plans on a projector at the scale indicated. The printed booklet will have the same level of detail, but may vary in scale (drawings may be reduced in size to allow for interpretation!)</p> <p>90% completion demonstration, joint feedback round of submitted work. The presentation documents must be uploaded to Moodle by the start of the lesson per team! Uploading and acceptance by the instructors - "final signature" is a requirement for completing the Week 6 presentation.</p>	15p
2. SITE ARRANGEMENT AND DESIGN CONCEPT	<p>Design and modelling exercise for the site attached to the subject programme, based on a pre-defined mix of functions. Mid-term delivery and presentation is mandatory.</p> <p>REQUIREMENTS:</p> <p>The siting and building concept task is the design of small public buildings on a predefined site. Students will design building concepts that best respond to the assigned "building types" and the morphology of the planning area, possibly including existing building(s). The students will explore and mould into a thoughtful urban design, architectural and structural form, planting schemes that are in line with the results outlined in the environmental analysis.</p> <p>The installation concept focuses primarily on the most appropriate response to the site, the positioning of the building(s) and other features - site geometry, morphology, orientation, wind direction, etc. - and the ideal approaches! The architectural concept task is primarily focused on the correct functional relationships, logical and realistic architectural volumes, and the definition of horizontal and vertical operability, all controlled at an urban scale.</p>	20p

	<p><i>contents:</i> 1db site plan m= 1:1000 all different floor plans m=1:500 1 feature section m=1:500 min. 4 facades m=1:500 min. 3 perspectives</p> <p><i>formal requirements:</i> 1 concept plan, scale m=1:500. Edited drawings, booklet A/2-A/3 (with front and back cover, rail as in previous semester). One drawing per page! Presentation of the plans on a projector at the given scales. Printed booklet is the same but may vary in scale (drawings may be reduced in size to allow for interpretation!)</p> <p>90% completion demonstration, joint feedback round of submitted work. The presentation documents must be uploaded to Moodle by the start of the lesson per team! Uploading and acceptance by the instructors - "final signature" is a requirement for completing the Week 6 presentation. It is possible to make up the 90% presentation in week 6, but this will result in a late submission of the assignment.</p>	
<p>3. SEMESTERLY ASSIGNMENT: PUBLIC BUILDING DESIGN</p>	<p>A design and modelling exercise for the site, based on a pre-defined mix of functions, annexed to the subject programme. Submission and presentation is mandatory.</p> <p>REQUIREMENTS Further design/development of the concept prepared in the first half of the semester. Processing of the building to "permit" design level. The students develop and mould the outline of the installation concept into an architecturally and structurally sound form. The task focuses primarily on deepening the functional (interior design), structural and material use content and on developing the architectural character!</p> <p><i>contents:</i> 1 site plan m=1:2000, 1:4000 (total area) 1 site plan m=1:500 (surroundings of the planned building) all different floor plans m=1:100 min. 2 cross sections m=1:100 min. 4 facade m=1:100 2 main wall sections and projected facade m=1:25 min. 5db perspectives</p> <p><i>formal requirements:</i> 1 "permit" plan, scale m=1:100. Edited drawings, booklet A/2 (similar to previous semester with front and back cover, rail). One drawing per page! Presentation of the plans on a projector at the given scales. Printed booklet is the same but may vary in scale (drawings may be reduced in size to allow for interpretation!)</p> <p>90% completion demonstration, joint feedback round of submitted work is mandatory. The presentation documents must be uploaded to Moodle by the start of the lesson per team! Uploading and acceptance by the instructors - "final signature" is a requirement for completing the Week 6 presentation. It is possible to make up the 90% presentation in week 6, but this will result in a late submission of the assignment.</p>	<p>30p</p>
<p>1-2. MODELS</p>	<p>A design and modelling exercise for the site attached to the subjectprogramme, based on the defined list of premises. Mid-term submission and presentation is mandatory.</p> <p>REQUIREMENTS: 1pc installation concept mock-up, m=1:1000/500. The scale can be chosen in consultation with the consultant, to fit the presentation objectives of the student group, but the detail must be appropriate to the scale and include the appropriate delimitation of the site plan provided in the annex! 1 final model, m=1:200</p> <p><i>formal requirements:</i> A modelling exercise for the site attached to the thematic annex, based on the defined list of premises. Mid-term submission and presentation is mandatory.</p>	<p>(10+15) 25p</p>

	<p>REQUIREMENT: 1pc installation concept model, m=1:1000/500. The scale can be chosen in collaboration with the consultant, to fit the presentation objectives of the student group, but the detail must be appropriate to the scale and include the appropriate delimitation of the site plan provided in the annex! 1 final model, m=1:200</p> <p>90% completion demonstration, joint feedback round of submitted work is mandatory. The presentation documents must be uploaded to Moodle by the start of the lesson per team! Uploading and acceptance by the instructors - "final signature" is a requirement for completing the presentations. It is possible to make up the 90% presentations one week later, but this will result in a late submission of the assignment.</p>	
TABLÓ	<p>A table summarising the half-year work!</p> <p>REQUIREMENT: A table showing the "results" of the semester in one interface! An abstract graphic presenting the result of the semester's planning process on one surface! The abstract (readable concept) should be related to the character of the building designed during the semester, try to represent it! The primary assessment criteria for the tableau are abstraction, composition and graphic quality!</p> <p><i>formal requirements:</i> 1 tableau, 297/1000mm, (one "strip", made of several pieces is not acceptable)! The medium and style are optional, but should preferably support the abstraction mentioned above!</p>	10p
ÉRTÉK ÖSSZESEN		100 pont

SEMESTER CLOSING REQUIREMENTS					
CONDITIONS FOR OBTAINING A TERM GRADE	<p>By fully completing the requirements of the section "COMPLETION REQUIREMENTS" (min. 60% completion per sub-task), the total of min. 60 points! Active participation in the common workshop exercises and successful presentation/defence of the assignments due in the semester according to the above requirements. Completion of the posted 90% upload milestones is mandatory, instructor acceptance is a condition of submission by the due date. "Replacement" is possible at the next session. If any of the above is not met, the semester will be denied! In addition to the personal submission, the signature is conditional on the complete upload of the materials to be presented to the MOODLE e-learning platform by the deadline!</p>				
SUBSTITUTE EXAM REQUIREMENTS	<p>It is possible to take a substitute exam for a maximum of 1 of the replacement dates announced in the "schedule" section! The examination can only be taken if the student was physically unable to attend the examination on the date indicated and can provide evidence of this! The instructor in charge of the studio decides on the acceptance of the proof! In questionable cases, the OU YBL course leaders will be involved!</p>				
TERM GRADES	0-59 points	60-69 points	70-79 points	80-89 points	90-100 points
	1 - FAIL	2 - PASS	3 - SATISFACTORY	4 - GOOD	5 - EXCELLENT

PLANNING PROGRAMME/LIST OF PREMISES

PUBLIC BUILDING, design a small "public building"!

The site included in Annex I should be interpreted at the municipal level and create an "urban design" concept for the whole area by "using" the building types assigned! The annex precisely define the orientation, geometry, morphology, buildings and valuable vegetation of the planning site the specific location of the site. These 'features' cannot be overridden in the design process!

The "urban planning", planting concepts are developed in groups of 3, as a result of a joint planning process! The concept must respond to the conclusions drawn from the results of the environmental analysis! It is the task of the groups to define the character to be designed, the proportions of buildings, road networks (motor vehicles, public transport, pedestrian areas) and green spaces, on the basis of which the buildings are selected and positioned (it is not a task to design all types)!

Subsequently, the group members will select a building to be designed and presented at the permit level (complete with larger scale work parts)! The theme does not include a list of rooms/design programme for the buildings, it is up to the student/students to compile this!

In addition to adhering to the parameters for the assigned plot and function, the student is required to familiarise himself with the national and international references of the selected function, and to adapt them to the design area and the volume outlined by the design programme for the task! In addition to the above, it is the student's responsibility to research the built and landscape environment (typical of the area) in the vicinity of the site.

BUILDING TYPES TO BE DESIGNED/OPTIONAL BUILDING TYPES:

- adult training school and workshop
- art/alternative school
- arts/other 'centre' or school
- medical "centre"
- homeless care "centre"
- animal hospital/shelter
- alternative cinema/theatre
- museum/memorial/theme park
- extreme sports "centre"
- farmers market+fair

(the above list may be extended if the group supports it with the results of the environmental analysis and agrees it with the class teacher)

Budapest, 12.06.2024

Mizsei, Anett
head of studio
assistant professor