

COMPLEX DESIGN II

2023/24.
2ND SEMESTER

BASIC INFORMATION			
COURSE NAME	Complex Design II		KOMPLEX TERVEZÉS II
COURSE CODE(S)	SGYMESZKPT2		
DEPARTMENT	Óbuda University, Ybl Miklós Faculty of Architecture, Institute of Architecture		
PROGRAMME, TRAINING	Architect MSc		full time
COURSE INSTRUCTOR (Instructor managing the course)	Ass. Prof. Aurél Benárd DLA	benard.aurel@ybl.uni-obuda.hu	
INSTRUCTORS, LECTURERS	Ian Chaplin	chaplin.ian@ybl.uni-obuda.hu	Personal consultation Wednesdays 15:20, email appointment by appointment. Online training will be conducted on Zoom.
	Alnatour Lama Basem	natour.lama@ybl.uni-obuda.hu	Personal consultation Wednesdays 15:20, email appointment by appointment. Online training will be conducted on Zoom.
PRE-REQUIREMENT	Complex Design II (SGYMESZKPT2)		
HOURS OF LECTURES (WEEKLY)	-		
HOURS OF CLASSROOM TRAINING/ LABORATORY TRAINING (WEEKLY)	6 hours		
FIELD WORK AND TRAINING (WEEKLY)	-		
ASSIGNMENT	Weekly deliverables, participation, midterm presentation, final presentation		
CREDITS	8 credits (ECTS)		

<p>AIM OF THE COURSE, BRIEF DESCRIPTION</p>	<p><u>Aim of the Course</u> The main aim of the course is to prepare students for the practice of architecture. In order to do so the course will focus on how you can:</p> <ul style="list-style-type: none"> - develop a coherent concept - plan the design process - relate to the local context - take a personal position through a conceptual design approach - relate to contemporary topics and trends and make informed decisions - use a physical working model - make communicative drawings - develop facades - apply interior and exterior materials - work together - develop an indoor climate scheme - develop a structural scheme - develop a design into detail <p><u>Brief Description</u> The focus of the studio is eco-tourism. The design challenge will be to develop a building that incorporates eco-educational aspects with a form of hospitality. More specific information and requirements will be provided in the semester guidebook.</p> <ul style="list-style-type: none"> - The design will be developed in groups of two (which if preferred can be split up after the midterm presentation). - In the process, the students will need to participate in the design of others and think beyond disciplinary borders. - By the time of the midterm presentation students need to have a convincing (functional) concept with an appropriate brief. - The main building material used should be sustainable, an example of this is mass timber construction.
<p>RECOMMENDED LITERATURE & REFERENCES</p>	<p>Literature:</p> <p>Technical references:</p> <ul style="list-style-type: none"> - 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 - Mass Timber - Open source lectures - Mass Timber - Design Manual - Mass Timber - 100 Mass timber projects - Mass Timber - Connections details - Mass Timber - Supplier info - <p>Sources:</p> <ul style="list-style-type: none"> - Model Making - Panton Stores
<p>REQUIRED TECHNICAL APPLIANCES/ SOFTWARE</p>	<p>Students are free to use any suitable software and media, as long as it fulfils the requirements and aims of the course.</p> <p>Design work during consultation should be presented in an organised and well prepared fashion; there is only so much time per person!</p> <p>For the model making It is recommended to have:</p> <ul style="list-style-type: none"> - cutting mat - (thin) cutting knife - steel ruler - glue fast connect large surfaces - (inexpensive brown) cardboard for working models

SCHEDULE OF THE SEMESTER		
<p>IMPORTANT!</p> <p>See the “Live guidebook” program page for an up to dated version of the “PROGRAM OF PRACTICE” <i>(Deliverables in the live guidebook can only be modified by the instructor 6 days in advance of the delivery date)</i></p>		
WEEK	FORM OF PRACTICE	(indicative) PROGRAM OF PRACTICE
		<ul style="list-style-type: none"> ● = has to be finished before class (deliverables) Deliverables need to be accepted by the instructor ● = Topics handled during class
1. 12 & 14 Feb	Workshop / Consultation	<ul style="list-style-type: none"> ● Course Kick-off <ul style="list-style-type: none"> ○ Requirements ○ Milestones ○ Schedule ○ Intro to the design challenge ○ What is Ecotourism? ○ Making of teams ● Site Visit <ul style="list-style-type: none"> ○ Experiencing the site ○ Documenting the site (written depiction) ○ Talking about the site ○ Photographing the site
2. 19 & 21 Feb	Workshop / Consultation	<ul style="list-style-type: none"> ● Photo Catalogue ● Site Documentation ● Model making ● Customer profile ● Design brief ● Starting Concept (personal intention) ● Photo Catalogue (Carefully organised collection of Images that you can use to tell a story about the site) ● Site Documentation (objective & subjective information about the site that you can use to tell the group what will be important considerations for you when you make a design for the site) ● Physical Model (A 1 to 500 physical working model of the site with which you can use to explain your ideas to the group, required format: thin brown cardboard for the surrounding, simple cylindrical sticks as trees, grey cardboard for design/interventions) ● Starting concept
3. 26 & 28 Feb	Workshop / Consultation	<p>Design Option 01</p> <ul style="list-style-type: none"> ● 1:500 Site drawings ● 1:500 Site drawings (2 characteristic sections/ site plan / elevations) ● Design brief ● 1:200 schematic plan ● 1:500 cardboard working model ● freehand sketches that explain the concept
4. 04 & 06 Mar	Workshop / Consultation	<ul style="list-style-type: none"> ● Hospitality ● Tourism ● Phenomenology ● Material moodboard ● Furniture moodboard ● Customer activity and experiences moodboard ● Architectural features moodboard
5. 11 & 13 Mar	Workshop / Consultation	<p>Design Option 02</p> <ul style="list-style-type: none"> ● Landscape Architecture

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		<ul style="list-style-type: none"> • Trees • Biodiversity • 1:500 Site drawings (2 characteristic sections/ site plan / elevations) • Design brief • 1:200 schematic plan • 1:500 cardboard working model • freehand sketches that explain the concept
6. 18 & 20 Mar	Workshop / Consultation	<p>Chosen Design</p> <ul style="list-style-type: none"> • How to improve your products • 1:500 Site Drawings (2 characteristic sections/ site plan / elevations) • Design brief • 1:200 project Drawings (2 characteristic sections/ floor plans / elevations) • 1:500 cardboard working model • 1:200 building working model • freehand sketches that explain the concept
7. 25 & 27 Mar	Midterm Presentation	<ul style="list-style-type: none"> • 1:500 Site Drawings (2 characteristic sections/ site plan / elevations) • 1:200 project Drawings (2 characteristic sections/ floor plans / elevations) • 1:500 cardboard working model • 1:200 building working model • freehand sketches that explain the concept
8. 03 Apr	Workshop / Consultation	<ul style="list-style-type: none"> • 1:100 Drawing requirements • Drawing styles • Layering systems • 1:100 project Drawings (2 characteristic sections/ floor plans / elevations)
9. 08 & 10 Apr	Workshop / Consultation	<ul style="list-style-type: none"> • Construction materials • Structural system • 1:20 building section
10. 15 & 17 Apr	Workshop / Consultation	<ul style="list-style-type: none"> • Technical details • 3 x Technical details
11. 22 Apr	Workshop / Consultation	<ul style="list-style-type: none"> • Concept reflection • Concept visualisation
12. 29 Apr	Workshop / Consultation	<ul style="list-style-type: none"> • Concept reflection • Concept visualisation
13. 06 & 08 May	Workshop / Consultation	<ul style="list-style-type: none"> • Physical presentation model • physical presentation model
14. 13 & 15 May	Final Presentation	<ul style="list-style-type: none"> • concept presentation • 1:500 site plan • 1:100 technical drawings (all) <ul style="list-style-type: none"> • floor plans (with layers, annotation and other standard requirements) • elevations (with surrounding, colours, indication of materials and all other standard requirements) • 3 Sections (with layers, layering systems and all other standard requirements) • 1:100 presentation drawings <ul style="list-style-type: none"> • 1 floor plan /1 elevation and 1 section, purely for presentation purposes • 1:20 building section • 3x 1:5 Technical details • At least 2 Exterior renders • At least 1 interior render • 1 physical presentation model

REQUIREMENTS FOR THE COMPLETION OF THE SEMESTER		
MID-SEMESTER TASKS AND TESTS		
Requirement	Description	Value (points)
PARTICIPATION AT LESSONS	<ul style="list-style-type: none"> - Attendance will be checked at the start of the class, being late will count as being absent. Missing any class will have a negative impact on your grade unless provided with a medical certificate. [These should be provided through an e-mail to the instructor.] The responsibility to resolve the impact of the absence on your own or your group's performance will be taken into consideration in your final grade. - The classes can be missed up to three times (see § 46 ETVSZ) Missing more than three classes will automatically result in failing the course. This includes absence for medical reasons. 	9pt
IN CASE OF ABSENCE FROM LESSONS AND EXAMINATIONS	<p>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.</p> <p>Note that it is the responsibility of the absentee to inform and provide products to other group members in a reasonable and timely fashion.</p>	-
MIDTERM PRESENTATION	<p>Qualitative requirements:</p> <ul style="list-style-type: none"> - Present Designs convincingly - Argument design decisions <p>Develop:</p> <ul style="list-style-type: none"> - a future perspective in relation to the context and the property itself - a client sensitive program - an impressive project concept - a physical working model that supports the design process - Convincing plans with appropriate drawings <p>For quantitative requirements: See schedule of the semester (2 previous pages)</p> <p>The design process and group participation are criteria when awarding points.</p>	26pt
FINAL PRESENTATION	<p>Qualitative requirements:</p> <ul style="list-style-type: none"> - 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 <p>For quantitative requirements: See schedule of the semester (2 previous pages)</p> <p>The design process and group participation are criteria when awarding points.</p>	65pt
TOTAL		100 points

SEMESTER CLOSING REQUIREMENTS	
CONDITIONS FOR OBTAINING A SIGNATURE	<p>Attending, delivering deliverables and cooperating throughout the semester. Accomplishing presentations with the necessary deliverables and submitting the presented design proposal in one single (300 dpi, smaller than 60mb) pdf file of per presentations within 24 hours after the presentation, including pictures of the physical models.</p> <p>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</p>

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	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
	1 - FAIL	2 - PASS	3 - SATISFACTORY	4 - GOOD	5 - EXCELLENT