

**COMPLEX SPECIALISATION:  
ARCHITECTURE**

**2024/25. 1.  
SEMESTER**

BASIC INFORMATION			
COURSE NAME	Complex Specialisation / Architecture		Komplex specializáció / (belső)építész szakirány
COURSE CODE(S)	YAWCSPAMNF		
DEPARTMENT	Óbuda University, Ybl Miklós Faculty of Architecture, Institute of Architecture		
PROGRAMME, TRAINING	Architect MSc		full time
COURSE INSTRUCTOR (Instructor managing the course)	Prof. Gyula Gábor Kiss DLA	kiss.gyula@ybl.uni-obuda.hu	
INSTRUCTORS, LECTURERS	Ian Chaplin	chaplin.ian@ybl.uni-obuda.hu	
PRE-REQUIREMENT	Complex Design II		
HOURS OF LECTURES (WEEKLY)			
HOURS OF CLASSROOM TRAINING/ LABORATORY TRAINING (WEEKLY)	6 "hours"		
FIELD WORK AND TRAINING (WEEKLY)	0 hours		
ASSIGNMENT	Weekly deliverables, participation (incl. sketchbook), midterm presentation, final presentation		
CREDITS	10 credits (ECTS)		
AIM OF THE COURSE, BRIEF DESCRIPTION	<p><u>Aim of the Course</u> The main aim of the course is to prepare students for their graduation project on a technical, architectural and procedural level. In order to do so the course will focus on how you can:</p> <ul style="list-style-type: none"> <li>- develop a coherent design</li> <li>- take a personal position through a conceptual design approach</li> <li>- relate to contemporary topics and trends and make informed decisions</li> <li>- use a physical working model</li> <li>- make communicative drawings</li> <li>- develop facades</li> <li>- apply interior and exterior materials</li> <li>- develop an indoor climate scheme</li> <li>- develop a structural scheme</li> <li>- develop a design into detail</li> </ul> <p><u>Brief Description</u> In the "in transition" project, students are challenged to develop an understanding of the contemporary world and respond to it architecturally. For that reason the project focuses on public transport.</p> <p>Those places in which people travel have been fundamental for the theoretical development of contemporary topics such as identity, tradition, non-places, globalisation, migration and many more. It is up to the students to develop their own position on these topics and translate that position in design choices that give expression to their voice as architects.</p> <p>In the first half of the studio students will develop their understanding of these "new" realities/territories with weekly assignments either location based, practical or theoretical. In the second half of the studio it will continue with the execution of ideas working towards a more personal and detailed final product.</p> <p>It is likely that in this semester students will work together with the students from the specialisation urbanism. In that capacity you will act as architect of a central public transport building in their masterplan project. In that case close collaboration will be important, as you will have to defend your project in their masterplan.</p> <p>Contemporary realities, material expression, contextual design and inclusiveness will be main topics and criteria within this course's assessment .</p>		

Weekly reference projects:

theory - city (1 assigned per person)

- Marc Augé - non-lieux. Introduced a une anthropologie de la surmodernite
- Rem Koolhaas and Burce Mau "The generic city"
- Michael Hays "ideologische Glatte"

reference project - urban scale (1 assigned per person)

- MAS city history museum, Neutelings Riedijk, Antwerp, Belgium
- Melopee School, Ghent, Belgium, Xaveer de Geyter
- 1111 Lincoln Road, Herzog & de Meuron, Miami Beach, USA
- Lochal, Tilburg, the Netherlands by CIVIC and Mecanoo

theory - spectacle (1 assigned per person)

- Bernard Tschumi "event architecture"
- Kenneth Frampton "Towards a critical regionalism"
- Diane Ghirardo "Out of Site. A social criticism of architecture"

reference project - Public space (1 assigned per person)

- schouwburgplein, Rotterdam, the Netherlands, West8
- Piazza San Marco, Venice, Italy
- Piazza del Campo, Siena, Italy
- Plaça de Catalunya, Barcelona
- Aarhus Harbor Bath, BIG, Aarhus, Denmark
- Parc de la Villette, Bernard Tschumi, Paris, France

reference project - civil morals / Proportions (1 assigned per person)

- Royal Saltworks, Claude Nicholas Ledouxm, Arc-et-Senans, France
- Basilica Palladiana, Palladio, Vicenza, Veneto, Italy
- Marian Sisters of St-Francis of Waasmunster, Dom Hans van der Laan, Belgium
- Pennsylvania Station, McKim, Mead & White, New York, USA

reference project - urban landscape (1 assigned per person)

- Danish National Maritime Museum, BIG, Helsingor, Denmark
- The Economist Plaza, Smithsons, London, UK
- Museum of Art, Lina Bo Bardi, São Paulo, Brazil
- Rotterdam Central Station, the Netherlands, Benthem en Crowwel
- Neue Nationalgalerie, Mies van der Rohe / David Chipperfield, Berlin, Germany

reference project - Beauty in strength (1 assigned per person)

- World Trade Center Transportation Hub, Calatrava, New York, USA
- González Luna Building, Marcias Peredo, guadalajara, mexico
- House eight & half, Atelier Bow wow, Tokyo Japan
- Residence in Riva San Vitale, Mario Botta, Riva San vitale, Switzerland

reference project - Foundation/ Walls / Columns (1 assigned per person)

- Chapel at Ronchamp, Le Corbusier, Ronchamp, France
- Sendai Mediatheque, Toyo Ito, Sendaim, Japan
- Hoyu-ji Temple, Unknown Architect, Hungarian
- Delta Shelter, Tom Kundig, Mazama Washington, USA
- Santo Stefano al Monte Celio, unknown, Rome, Italy

reference project - Progress / Futurism (1 assigned per person)

- Nakagin Capsule tower, Kisho Kurokawa, Tokyo Japan
- Culture shed, Diller Scofidio + Renfro, New York, USA
- Arnhem Central Station, UN Studio, Arnhem, the Netherlands
- USAF Aircraft Hangar, Konradd Wachsmann, USA
- Yoyogi National Gymnasium, Kenzo Tange, Tokyo, Japan

reference project - floors (1 assigned per person)

- [Wooden House](#) - in Kumamoto, Japan by Sou fujimoto
- Sky House, Kiyonori kikutake, Tokyo
- ParkRoyal on pickering, WOHA, Singapore
- Magney House, Glenn Murcutt, Bingie, Australia
- Flower House, No Architecture, USA
- Sydney Modern Museum, Sanaa, Sydney, Australia

RECOMMENDED LITERATURE & REFERENCES

reference project - *Surrealism (1 assigned per person)*

- *Kunsthal Rotterdam, OMA, the Netherlands*
- *Expo Hannover, MVRDV, Germany*
- *Il teatro del mondo, Aldo Rossi, Venice, Italy*
- *Pc Caritas, architecten de vylder vinck taillieu, Melle, Belgium*
- *Azuma House, Tadao Ando, Sumiyoshi-ku, Osaka, Japan*

reference project - *roofs (1 assigned per person)*

- *Fuji kindergarten, Tezuka Architects, Tokyo, Japan*
- *The menil collection, Renzo Piano, Houston, Texas, USA*
- *Taipei Roofs, Akihisa Hirata, Taiwan*
- *Building K, Ryuji Fujimura, Tokyo, Japan*
- *St. Antonius Roman Catholic church, Justus Dahinden. Wildegg, Switzerland*
- *Moore house, Charles Moore, Orinda California, USA*

reference project - *worldcrafting (1 assigned per person)*

- *Shiroiya Hotel, Sou Fujimoto Architects, Maebashi, Japan*
- *Bagsværd Church, Jørn Utzon, Bagsværd, Denmark*
- *Hoshino Resorts KAI Poroto, Hiroshi Nakamura, Shiraoui, Japan*
- *Casa para el poema del ángulo recto/ House for the Poem of the Right Angle, Smiljan Radic, Vilches, Chile*
- *Funen blok, NL Architects, Amsterdam, the Netherlands*

reference project - *facades (1 assigned per person)*

- *Antivilla, Brandlhuber+, Potsdam, Germany*
- *Leutschenbach School, Christian Kerez, Zurich, Switzerland*
- *Nelson-Atkins Museum of Art, Steven Holl, Missouri, United States*
- *Murcia Town Hall on the Cardinal Belluga Plaza, Rafael Moneo, Badajoz, Spain*

reference project - *The good life (1 assigned per person)*

- *Copper House II, Studio Mumbai, Chondi, India*
- *Oculus Staff Quarters,, Palinda Kannangara Pachchilapalli, Sri Lanka*
- *Casa malaparte, Adalberto Libera, Isle of Capri, Italy*
- *Herbert and Katherine Jacobs Second House, Frank Lloyd Wright, Middleton, Wisconsin, USA*
- *Homewood, Edwin Luytens, Hertfordshire, UK*

reference project - *mechanical engineering (1 assigned per person)*

- *centre pompidou, Richard Rogers & Renzo Piano, Paris, France*
- *Sainsbury Centre for Visual Arts, Norman foster, Norfolk, UK*
- *Sydney Opera House, Jørn Utzon, Sydney, Australia*
- *23 Semi-collective Housing Units, Lacaton & Vassal, Trignac, France*

reference project - *Openness / Storytelling (1 assigned per person)*

- [Double helix House](#) in Taito Japan by onishimaki+hyakudayuki
- *Guggenheim Museum, Frank Lloyd Wright, New York, USA*
- *House in Kawasaki, Go Hasegawa, Kanagawa, Japan*
- *Boa Nova Tea House, Alvaro Siza, Porto, Portugal*

reference project - *finish materials (1 assigned per person)*

- *Milton Keynes gallery, 6a architects, Milton Keynes, United Kingdom*
- *Exeter Library, Louis I Kahn, New Hampshire, USA*
- *Viggso, Arrhov Frick, Varmdo, Sweden*
- *M WOODS Art Community, B.I.U.E. Architecture Studio, Beijing, China*

reference project - *colour schemes, patterns (1 assigned per person)*

- *Crown Hall, Mies van der Rohe, Chicago, Illinois, USA*
- *Can Joan Jaume, TEd'A, Kenya*
- *Hampstead mansion block, Sergison Bates, London, UK*
- *Villa Mairea, Alvar Aalto, Noormarkku, Finland*
- *SESC Pompéia, Lina Bo Bardi, São Paulo, Brazil*

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

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<b>REQUIRED TECHNICAL APPLIANCES/ SOFTWARE</b>	<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>For the sketchbook assignment, an A5 sketchbook (landscape or portrait) is required!</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"> <li>- cutting mat</li> <li>- (thin) cutting knife</li> <li>- steel ruler</li> <li>- glue <a href="#">fast connect large surfaces</a></li> <li>- <a href="#">(inexpensive brown)</a> cardboard for working models</li> </ul>
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<b>SCHEDULE OF THE SEMESTER</b>		
WEEK	FORM OF PRACTICE	PROGRAM OF PRACTICE
1. 9/11 Sept	Studio	<ul style="list-style-type: none"> <li>● = has to be finished before class (deliverables)</li> <li>= Topics handled during class</li> </ul> <p>Course Kick-off Making of Teams Site Visit Photocatalogue Site Analysis In transition</p>
2. 16/18 Sept	Studio	<p><b>[Monday: positions]</b> theory - city (1 assigned per person) reference project - urban scale (1 assigned per person)</p> <ul style="list-style-type: none"> <li>● Take the theory idea and reference project, give your own interpretation and spatial translation as you sketch and write a starting concept (scale is not relevant)</li> </ul> <p><b>[Wednesday: types]</b></p> <ul style="list-style-type: none"> <li>● Type based photocatalogue</li> <li>● Type based site analysis</li> <li>● Type based starting program (brief)</li> <li>● update on the collaboration with the Urbanism group, type within the masterplan</li> </ul>
3. 23/25 Sept	Studio	<p><b>[Monday: positions]</b> theory - spectacle (1 assigned per person) reference project - Public space (1 assigned per person)</p> <ul style="list-style-type: none"> <li>● Take the theory idea and reference project, give your own interpretation and spatial translation as you sketch a starting concept (scale is not relevant)</li> </ul> <p><b>[Wednesday: type]</b></p> <ul style="list-style-type: none"> <li>● Type based implementation of contemporary concepts</li> <li>● Type based form study drawings or models</li> <li>● Type based storyboarding</li> <li>● update on the collaboration with the Urbanism group, type within the masterplan</li> </ul>
4. 30 Sept /02 Okt	Studio	<p><b>[Monday: intentions]</b> reference project - civil morals / Proportions (1 assigned per person)</p> <ul style="list-style-type: none"> <li>● Take the Topic and reference project, give your own interpretation and spatial translation as you sketch a starting concept (scale is not relevant)</li> </ul> <p><b>[Wednesday: executions]</b> reference project - urban landscape (1 assigned per person)</p> <ul style="list-style-type: none"> <li>● implement techniques recognized into an <u>urban landscape concept drawing</u></li> </ul> <p><b>[General]</b></p> <ul style="list-style-type: none"> <li>● update on the collaboration with the Urbanism group, building within the masterplan</li> <li>● 1:500 site plan</li> <li>● 1:100 schematic drawings</li> <li>● conceptual sketches</li> </ul>
5. 7/9 Okt	<b>Midterm Presentation</b>	<p><b>[General: presentation]</b></p> <ul style="list-style-type: none"> <li>● sketchbook</li> </ul>

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		<ul style="list-style-type: none"> <li>urban landscape concept <ul style="list-style-type: none"> <li>1:500 site plan</li> </ul> </li> <li>personal position and dedication towards the project</li> <li>form studies and general concept</li> <li>schematic volume 1:100</li> </ul>
6. 14/16 Okt	Studio	<p><b>[Monday: intentions]</b> reference project - <i>Beauty in strength</i> (1 assigned per person)</p> <ul style="list-style-type: none"> <li>Take the topic and reference project, give your own interpretation and spatial translation as you sketch possible implementations in your project.</li> </ul> <p><b>[Wednesday: executions]</b> reference project - <i>Foundation/ Walls / Columns</i> (1 assigned per person)</p> <ul style="list-style-type: none"> <li>implement techniques recognized into a personal <u>structural + wall layering plan</u></li> </ul> <p><b>[General project development]</b></p> <ul style="list-style-type: none"> <li>1:100 floor plans, elevations, sections, site plan</li> <li>update on the collaboration with the Urbanism group, building within the masterplan</li> </ul>
7. 21/23 Okt	Studio	<p><b>[Monday: intentions]</b> reference project - <i>Progress / Futurism</i> (1 assigned per person)</p> <ul style="list-style-type: none"> <li>Take the topic and reference project, give your own interpretation and spatial translation as you sketch possible implementations in your project.</li> </ul> <p><b>[Wednesday: executions]</b> reference project - <i>floors</i> (1 assigned per person)</p> <ul style="list-style-type: none"> <li>implement techniques recognized into a <u>structural + floor and ceiling layering plan</u></li> </ul> <p><b>[General project development]</b></p> <ul style="list-style-type: none"> <li>1:100 floor plans, elevations, sections, site plan</li> <li>update on the collaboration with the Urbanism group, building within the masterplan</li> </ul>
8. 28/30 Okt	Studio	<p><b>[Monday: intentions]</b> reference project - <i>Surrealism</i> (1 assigned per person)</p> <ul style="list-style-type: none"> <li>Take the topic and reference project, give your own interpretation and spatial translation as you sketch possible implementations in your project.</li> </ul> <p><b>[Wednesday: executions]</b> reference project - <i>roofs</i> (1 assigned per person)</p> <ul style="list-style-type: none"> <li>implement techniques recognized into an <u>roof design detail</u></li> </ul> <p><b>[General project development]</b></p> <ul style="list-style-type: none"> <li>1:100 floor plans, elevations, sections</li> <li>1:500 site plan</li> <li>update on the collaboration with the Urbanism group, building within the masterplan</li> </ul>
9. 04/06 Nov	Studio	<p><b>[Monday: intentions]</b> reference project - <i>worldcrafting</i> (1 assigned per person)</p> <ul style="list-style-type: none"> <li>Take the topic and reference project, give your own interpretation and spatial translation as you sketch possible implementations in your project.</li> </ul> <p><b>[Wednesday: executions]</b> reference project - <i>facades</i> (1 assigned per person)</p> <ul style="list-style-type: none"> <li>implement techniques recognized into a <u>facade design with principle details and installation description</u></li> </ul> <p><b>[General project development]</b></p> <ul style="list-style-type: none"> <li>1:100 floor plans, elevations, sections</li> <li>1:500 site plan</li> <li>1:20 section / interior elevations</li> <li>update on the collaboration with the Urbanism group, building within the masterplan</li> </ul>
10. 11/13 Nov	Studio	<p><b>[Monday: intentions]</b> reference project - <i>The good life</i> (1 assigned per person)</p> <ul style="list-style-type: none"> <li>Take the topic and reference project, give your own interpretation and spatial translation as you sketch possible implementations in your project.</li> </ul> <p><b>[Wednesday: executions]</b></p>

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		<p>reference project - <i>mechanical engineering</i> (1 assigned per person)</p> <ul style="list-style-type: none"> <li>● implement techniques recognized into an <u>indoor climate scheme with impact on detailing such as facade/ceiling etc. and utility necessities</u></li> </ul> <p><b>[General project development]</b></p> <ul style="list-style-type: none"> <li>● 1:100 floor plans, elevations, sections</li> <li>● 1:500 site plan</li> <li>● 1:20 section / interior elevations</li> <li>● update on the collaboration with the Urbanism group, building within the masterplan</li> </ul>
11. 25/27 Nov	Studio	<p><b>[Monday: intentions]</b> reference project - <i>Openness / Storytelling</i> (1 assigned per person)</p> <ul style="list-style-type: none"> <li>● Take the topic and reference project, give your own interpretation and spatial translation as you sketch possible implementations in your project.</li> </ul> <p><b>[Wednesday: executions]</b> reference project - <i>finish materials</i> (1 assigned per person)</p> <ul style="list-style-type: none"> <li>● implement techniques recognized into <u>exterior and interior elevation plans with material descriptions</u></li> </ul> <p><b>[General project development]</b></p> <ul style="list-style-type: none"> <li>● 1:100 floor plans, elevations, sections</li> <li>● 1:500 site plan</li> <li>● 1:20 section / interior elevations</li> <li>● Presentation renders</li> <li>● update on the collaboration with the Urbanism group, building within the masterplan</li> </ul>
12. 2/4 Dec	Personal Consultation	<p><b>[Monday: intentions]</b> reference project - <i>colour schemes, patterns</i> (1 assigned per person)</p> <ul style="list-style-type: none"> <li>● Take the topic and reference project, give your own interpretation and spatial translation as you sketch possible implementations in your project.</li> </ul> <p><b>[Wednesday: executions]</b> Topics</p> <ul style="list-style-type: none"> <li>● acoustics</li> <li>● water</li> <li>● durability</li> <li>● weight</li> <li>● conduction</li> <li>● installation</li> <li>● circularity</li> <li>● fragility</li> <li>● inclusivity</li> </ul> <p><b>[General project development]</b></p> <ul style="list-style-type: none"> <li>● 1:100 floor plans, elevations, sections</li> <li>● 1:500 site plan</li> <li>● 1:20 section / interior elevations</li> <li>● Presentation renders</li> <li>● update on the collaboration with the Urbanism group, building within the masterplan</li> </ul>
13. 9/11 Dec	<b>Final Presentation</b>	<p><b>[General: presentation]</b></p> <ul style="list-style-type: none"> <li>● Concept presentation</li> <li>● Urban implementation</li> <li>● 2 presentation renders</li> <li>● Physical Presentation model (scale 1:50 or 1:20)</li> <li>● Drawings: <ul style="list-style-type: none"> <li>○ Masterplan 1:2000</li> <li>○ Site Plan 1:500</li> <li>○ all 1:100 floor plans</li> <li>○ all relevant elevations</li> <li>○ 1 x 1:100 section</li> <li>○ 1x 1:20 partial section</li> <li>○ 3x 1:10 details</li> </ul> </li> </ul>

REQUIREMENTS FOR THE COMPLETION OF THE SEMESTER		
MID-SEMESTER TASKS AND TESTS		
Requirement	Description	Value (points)
<b>PARTICIPATION AT LESSONS</b>	<p>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.</p> <p>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.</p> <p>The sketchbook will be an important basis to determine the active participation of students.</p>	30pt
<b>IN CASE OF ABSENCE FROM LESSONS AND EXAMINATIONS</b>	<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>	-
<b>MIDTERM PRESENTATION</b>	<p>Qualitative requirements:</p> <ul style="list-style-type: none"> <li>- Performed objective analysis</li> <li>- Presented designs convincingly</li> <li>- Argumentative design decisions</li> </ul> <p>Develop:</p> <ul style="list-style-type: none"> <li>- a context sensitive program</li> <li>- an impressive project concept</li> <li>- a sensibility towards contemporary topics and trends</li> <li>- Convincing schematic plans</li> <li>- conceptual sketches!</li> </ul> <p>For quantitative requirements: See schedule of the semester (2 previous pages)</p>	20pt
<b>FINAL PRESENTATION</b>	<p>Qualitative requirements:</p> <ul style="list-style-type: none"> <li>- a coherent design</li> <li>- a planned design process</li> <li>- sensible relation to the local context</li> <li>- a personal conceptual design</li> <li>- a sensibility towards contemporary topics and trends</li> <li>- sensible use of physical working models</li> <li>- communicative drawings</li> <li>- coherent facades</li> <li>- coherent interior and exterior materials</li> <li>- participation within the group</li> <li>- sensible indoor climate scheme</li> <li>- sensible structural scheme</li> <li>- coherent details</li> </ul> <p>For quantitative requirements: See schedule of the semester (2 previous pages)</p>	50pt
<b>TOTAL</b>		100 points

SEMESTER CLOSING REQUIREMENTS	
<b>CONDITIONS FOR OBTAINING A SIGNATURE</b>	<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 full and on time can be corrected, or if the delay has occurred due to an administrative obstacle ructor, e.g. if charging is blocked. This exam is subject to a fee.</p>

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