



General Information:

Name of Course:

COMPLEX DESIGN 1.

Course Code:

EPM310ANEM

Semester:

7th

Number of Credits:

6

Allotment of Hours per Week:

8 Lab /Week

Evaluation:

Midsemester grade

Prerequisites:

Design Studio 6, Building Constructions 4

Instructors:

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Introduction, Learning Outcomes:

This course aims to explore and develop the previously gathered architectural skills focusing on the built public environment.

The task is to design a public building of high architectural value. Students can achieve it with reasonable volume and layout, materiality, and solid constructional detail.

Students should develop an architectural program for a grade school/elementary school on 21st century needs based on their thorough research. After researching future generations, their motivation techniques, etc., students should indicate a school model/program preparing pupils for a successful life – and a suggestion for spatial arrangement supporting the school's pedagogical model.

Students present their project depending on the current situation on posters (digital or printed) and a PPT. Either way, rich architectural content and high-quality representation at a scale (or detailed) of 1:100 is required. Paper models should be presented throughout the design process - the instructor will specify the final scale. Students' acquired knowledge is assessed over the semester.

The course focuses on exploring a design problem, developing design skills and methodologies in a specific area of interest, and engaging in design research within the architectural field.

The finished and accepted project is shown and presented in the Final Presentation for a jury to demonstrate the acquired architectural knowledge and abilities.



General Course Description and Main Content:

This subject includes an architectural design project where students develop their architectural skills further.

Upon completion of this course, the student should be able to:

- analyze the design problems and the built environment,
- work efficiently and on time according to their design process,
- apply and employ their creativity,
- to communicate their project both visually and orally to a jury

Methodology:

The course is based on individual architectural skills with regular f2f consultations with the tutor and presentations.

Schedule:

The semester is divided into two principal periods and attendant exercises.

COURSE OUTLINE				
Complex Design 1 Mon 13:15-14:45 Lecture 15:00 -20:00 Consultation				
month	day	week	practice 15:00-20:00	Lectures Online / Teams 13:15-14:00 14:00-14:45
september	6	1	Introduction, general information, syllabus, introducing the design task. Framing the architectural program based on location – site visit	
	13	2	Discussion of the architectural program, analyzing the spatial context and challenges, sustainability issues	Urban context, landscaping by Anna Maria Tamás dr. Contemporary Architecture of Education by Tamás Molnár dr.
	20	3	Project consultation, consultation of the study booklet (inspirations, analytic drawings, diagrams)	Building constuctions by Erzsébet Szeréna Zoltán dr Sustainability by David Ojo



october	27	4	Deadline 1: Presentation of the research (digital + round table discussion in the big group) + submission of study booklet (10 POINTS) – students should present the results of their research and the study about architectural attitudes and behavior in nature (regardless of functionality) and buildings with similar functions and examples in scientific/architectural literature. The design project should be developed further based on the acquired conclusions of this research. Project consultation: analysis, site plan, master plan, functional plan, concept for setting, massing, drafting model(s) scale 1:1000/500	<i>Urban context, landscaping</i> by Anna Maria Tamás dr. <i>Contemporary Architecture of Education</i> by Tamás Molnár dr.
	4	5	Project consultation: analysis, site plan, volume and concept developing, floor plans, structural concept model(s) scale 1:500 – draft	<i>Building constuctions</i> by Erzsébet Szeréna Zoltán dr <i>Sustainability</i> by David Ojo
	11	6	Project consultation: site plan, volume developing, floor plans, sections, elevations, forming the exterior and interior spaces, definition of building materials - model 1:500 or 1:200 draft	<i>Urban context, landscaping</i> by Anna Maria Tamás dr. <i>Contemporary Architecture of Education</i> by Tamás Molnár dr.
	18	7	PROJECT PRESENTATION 01. – CONCEPT DESIGN (30 POINTS) – Poster / digital Presentation (25p) + paper model (5p - alt. pictures) The content of the posters: analysis, concept/parti diagrams site plan 1:500 terrain section(s) 1:500 or 1:200 (section with the broader planning area) floor plan of every story 1:200 sections (minimum 2) 1:200 street view 1:500 visualization / from at least 2 typical viewpoints the model with the broader planning area 1:500	
	25	8	Fall break	
november	1	9	holiday	
	8	10	Modifications based on the critics and evaluation, the adaptation of the suggested changes - first constructional details	<i>Building constuctions</i> by Erzsébet Szeréna Zoltán dr <i>Sustainability</i> by David Ojo



december	15	11	Project consultation (the design improved and developed in details) floor plans, sections, plans with details, model 1:200	<i>Urban context, landscaping</i> by Anna Maria Tamás dr. <i>Contemporary Architecture of Education</i> by Tamás Molnár dr.
	22	12	Project consultation: floor plans, sections, elevations with details, environmental plans with details, interiors with details, structural details, temporary model 1:200	<i>Building constuctions</i> by Erzsébet Szeréna Zoltán dr <i>Sustainability</i> by David Ojo
	29	13	Project consultation: every working part on posters (graphic design) (analysis, conceptual figures, site plan, floor plans, sections, details, visualization)	<i>Urban context, landscaping</i> by Anna Maria Tamás dr. <i>Contemporary Architecture of Education</i> by Tamás Molnár dr.
	6	14	Final check-up on the building design	<i>Building constuctions</i> by Erzsébet Szeréna Zoltán dr <i>Sustainability</i> by David Ojo
	13	15	Presentation of the final version for signature - discussion of layouting and the content of the posters, materials for the models	
	3	18	PROJECT PRESENTATION 02. –DESIGN PROJECT (60 POINTS) – poster presentation (50p)+ paper model (10p)+ exhibition analysis (the most important) concept (diagrams and text) site plan, environment design plan 1:500 (narrowly interpreted planning area) terrain section(s) 1:500 or 1:200 (section with environment) floor plan of all levels 1:100 (or at least detailed that way) sections (minimum 3) 1:100 elevations m=1:200 street view 1:200 or 1:500 visualization (outer spaces with the environment) visualization (interiors) structural details / façade section at least 2 in scale 1:50 model with the broader planning area 1:500 model (only the building) 1:200 summary poster for the exhibition	



Studio Culture:

Information on PTE's studio culture policy can be found at the following location: www.pte.hu. In all cases, Annex 5 of the Statutes of the University of Pécs, the Code of Studies and Examinations (CSE) of the University of Pécs shall prevail. <https://english.mik.pte.hu/codes-and-regulations>

Attendance:

The course can be attended by gradual and Erasmus students. Unexcused absences will adversely affect the grade, and in case of absence from more than 30% of the total number of lessons, student will fail the course. In the case of an illness or family emergency, the student must present a valid excuse, such as a doctor's note.

Evaluation + Grading

Grading will follow the course structure with the following weight: Booklet – 10%, Project Presentation - 01, 30%, Project Presentation 02, 60%. Please note that attendance will adversely affect one's grade, both in direct grade reduction and missing work in the development of a project. The final grade will be based on the following guidelines:

5. Outstanding work. Execution of work is thoroughly complete and demonstrates a superior level of achievement overall with clear attention to detail in the production of drawings, models, and other forms of representation. The student can synthesize the course material with new concepts and ideas in a thoughtful manner and communicate and articulate those ideas in an exemplary fashion.

4. High quality work. Student work demonstrates a high level of craft, consistency, and thoroughness throughout drawing and modeling work. The student demonstrates a level of thoughtfulness in addressing concepts and ideas and participates in group discussions. Work may demonstrate excellence but less consistently than a '5' student.

3 Satisfactory work. Student work addresses all of the project and assignment objectives with few minor or major problems. Graphics and models are complete and adequate, exhibiting minor problems in craft and detail.

2. Less than satisfactory work. Graphic and modeling work is substandard, incomplete in significant ways, and lacks craft and attention to detail.

1. Unsatisfactory work. Work exhibits several major and minor problems with basic conceptual premise, lacking both intention and resolution. Physical representation in drawing and models is severely lacking and is weak in clarity, craft, and completeness.

Grading Scale:

Numeric Grade:	5	4	3	2	1
Evaluation in points:	85P-100P	71P-84P	60P-70P	50P-59P	0-49



Complex Design 1./Architect
Course Code: EPM310ANEM
Semester: Autumn 2020/2021 1.

Course Syllabus
Schedule: Monday, 13.15-20.00
Location: PTE MIK, A008



Students with Special Needs:

Students with a disability and needs to request special accommodations, please, notify the Deans Office. Proper documentation of disability will be required. All attempts to provide an equal learning environment for all will be made.

Readings, Reference and Course Materials: [on the Teams](#)

Required:

Ernst Neufert - Architects Data

Planning Architecture: Bert Bielefeld Publisher: Birkhauser

More:

archdaily.com | divisare.com | dezeen.com | contemporist.com | architizer.com