

## General Information:

Name of Course:

# DESIGN STUDIO 1.

Course Code:

EPE311AN

Semester:

1<sup>st</sup>

Number of Credits:

9

Allotment of Hours per Week:

4 practices 1 Lecture /Week

Evaluation:

Signature (with grade)

Instructors:

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## General Course Description and Main Content:

This subject includes the understanding and the analytical documentation of a small scaled building of simple geometry, where students can practice and further develop the content of the lectures and the essentials of other subjects. Based on model-making a spatial composition is developed, which has to be documented with plans, sections, elevation and some perspective or axonometric views.

In their semester assignment, students are dealing with mass and space formation preparing experimental models of their own small scale designs, and are taught techniques and tools of presentation (drawing tools, methods and tools for modelling).

The course includes:

- Lectures about the theoretical basics of architectural design
- Regular (weekly) supervisions in every given task like homework and project work.

## Introduction, Learning Outcomes:

Through the introduction of common approaches related to architectural design, Design Studio 1 aims to help students approach the essence of architecture. Through examples of national and international contemporary architecture, students study the methodology of the design process as well as those important factors as the location, geometry, etc. which determine the building. Students must be able to interpret certain architectural solutions and situations.

In the framework of getting prepared for the design tasks in the upcoming semesters, students study operating buildings with similar functions and examples published in professional literature. On this basis they finalize their basic design exercises. Also assessed are the preliminary studies, the evaluation of different alternatives and the description of the concept together with the necessary sketches. The course also includes some modelling basics. The course focuses on exploring the complexity and beauty of architecture, and students develop a specialized area of interest within the field of architecture. The course provides a solid foundation in the culture of architecture, which students will pursue through affiliated courses on the subject.

Students have to be able to demonstrate their understanding of architecture in context, to review architectural harmony and to analyze design ideas.

The projects are shown and presented throughout the semester to demonstrate the process of acquiring architectural knowledge and abilities – with the chance of improving the tasks.

The course will focus on:

- planning methods in small scaled designs
- space and form developing
- drafting and modelling techniques
- analyzing examples of both historical buildings and contemporary architecture
- sustainability in building design – analyzing the geographical and climatic aspects

**Methodology:**

The course provides basic architectural and design skills.

COURSE OUTLINE					
DESIGN STUDIO 1					
Tue 9:30-12:45 practice TUE 8:30-9:15 Lecture					
Betty Zoltan DLA Office: B319 e-mail: zoltan.erezsebet@mik.pte.hu					
David Ojo <a href="mailto:ojo.david@mik.pte.hu">ojo.david@mik.pte.hu</a> Erzsébet Bachmann DLA Bachmann.erezsebet@mik.pte.hu					
Pál Németh DLA office C0046 paolonemeth@gmail.com					
month	day	week	practice 1 (Ojo, Zoltán)	practice 2 ( Németh, Bachmann)	lecture
september	7	1	<i>Task 0 5p extra</i> – what does architecture mean to you – collection of keywords, abstraction (drawing) of one keyword, Drawing one detail of the building É81 or the campus what you like the most – drawing technique is arbitrary – uploading into the assigned folder		<i>Task 00 5p</i> – design tools experienced – taking pictures on campus representing the assigned design term – arranged to an explanatory 30*30 Poster- digital (pdf)
	14	2	architectural walk 1 - study - architectural spaces all groups <i>Task 000 5p</i> “the experienced space” – collage about the impressions of the tour – creating a new space with fragments of pictures		
	21	3	<i>Task 01</i> - "my house" - choosing a contemporary house of high quality design – analysis and discussion of scale  A (9:30-11:00)-B (11:15-12:45)	group A (11:15-12:45)  group B 9:30-11:00  freehand drawing practice 1 - perspective  "the cube and its transformations" – orthogonal and axonometric views	Intro to architecture - architectural and design terms, design approaches  Submission of Task 00
	28	4	<i>Task 01</i> "my house" - case study of the chosen house - thorough analysis of the setting, the architectural language, functionality - documenting the house with freehand or hardline drawings  A(9:30-11:00)-B (11:15-12:45)	group B 7:45-9:15  A 9:30-11:00  "the cube and its transformations" - compositions based on instructions	primary design elements

october	5	5	<b>Task 01</b> "my house" - case study of the chosen house - thorough analysis of the setting, the architectural language, functionality - documenting the house <b>model making 1:200</b> A (9:30-11:00)-B (11:15-12:45)	group A (11:15-12:45)  B 9:30-11:00  <i>freehand or hardline drawings</i>	architectural form – geometry in architecture
	12	6	<b>Submission of Task 000 5p</b> "the experienced space" – collage about the impressions of the tour – creating a new space with fragments of pictures  <i>freehand and hardline drawings about "my house"</i>		architectural space - space defining elements
	19	7	<b>Submission of Task 01</b>  presentation of "my house" projects on 42*42cm poster (25 points) and the model (15 points)  A (9:30-11:00)-B (11:15-12:45)  <i>"the cube" freehand drawing by model / 6 views about a subtracted cube – reconstruction from orthogonal views</i>		analysis of scale, proportion, contrast and rhythm
	26	8	Fall break		
november	2	9	<b>Task 02</b> "my cube" spatial experiments with cubes – draft model  A (9:30-11:00)-B (11:15-12:45)	group B 7:45-9:15 A 9:30-11:00	Design tools (contrast, rhythm, proportion)
	9	10	<b>Task 02</b> "my cube" spatial experiments with cubes – draft model  A (9:30-11:00)-B (11:15-12:45)	group B 7:45-9:15 A 9:30-11:00	Design tools (organization, order, hierarchy)
	16	11	<b>Task 02</b> "my cube" documentation of the design modelling  A (9:30-11:00)-B (11:15-12:45)	group B 7:45-9:15 A 9:30-11:00	Design tools (light, color, texture)

	23	12	<b>Task 02 "my cube"</b> documentation of the design (layout, orthogonal views and sections) modeling  A (9:30-11:00)-B (11:15-12:45)	group B 7:45-9:15 A 9:30-11:00	Spatial organizations and relationships
	30	13	<b>Task 02 "my cube"</b> documentation of the design (layout, orthogonal views and sections) modelling	group B 7:45-9:15 A 9:30-11:00	correlation of structure, material, shape
december	8	14	<b>Task 02 "my cube" finalizing</b> the documentation of the design (layout, orthogonal views and sections) and the model  A (9:30-11:00)-B (11:15-12:45)	Building for the future - sustainability	structure - space- function
	15	15	presentation of "my cube" task 02 and the correction of task 01 on 42*42cm posters 20 points + paper model 20 points + all freehand drawings 10 p		Evaluation of the semester – announcing the grades
	3	18	Those with an unsatisfactory semester grade (1) in week 15 can resubmit to get a chance to pass		

### Studio Culture:

The course is based on lectures enhanced by collaboration, participation and discussions. This is an interaction between Students and Faculty; using teaching methods like 'Problem-based learning' and 'learning-by-doing'. The communication and work should reflect respect for fellow students and faculty.

### Attendance:

Attendance is required and will impact the grade. Unexcused absences will adversely affect the grade, and in case of absence over more than 30% of the total number of lessons will result in failing the class. To be in class on time and stay until the scheduled end of the lesson is required, tardiness of more than 20 minutes will be counted as an absence. In the case of an illness or emergency a valid excuse, such as a doctor's note, should be presented. The highest possible grade on a belated project (within 2 weeks) is '2'.

### Evaluation + Grading

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>

Grading will follow the course structure with the following weight: Project Presentation 90%, Homework and other assignments 10%, and there is a chance to get extra points (10p) according to participation, progress, effort

attitude, delivering the two extra tasks in high quality. Please note that attendance will adversely affect one's grade both in direct grade reduction (-1 points in case of missing 1 lesson – there 5 lessons a week – 4 practical and 1 lecture), and in missing work in the development of a project. The final grade will be based on the following guidelines:

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

4. High quality work. Student work demonstrates a high level of craft, consistency, and thoroughness throughout the drawing and modelling 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 satisfactory, exhibiting minor problems in craft and detail.

2. Less than satisfactory work. Graphic and modelling 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

#### PTE Grading Policy:

Information on PTE's grading policy can be found at the website of the faculty too.

#### 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 and Reference Materials:

##### Required:

CHING, Francis D. K. (2007) *Architecture – form, space and order* ISBN 978-0-471-75216-5

ZOLTAN E.Sz. (2021) – *Architectural Design Tools in Practice* ISBN 978-963-429-606-5 (PDF)

##### More:

FREDERICK, Matthew (2007): *101 THINGS I LEARNED IN ARCHITECTURE SCHOOL* The MIT Press; 3rd Edition ISBN 978 0262062664

DEPLAZES, Andrea - (2008). *Constructing Architecture – materials processes structures – A handbook* - Birkhäuser Verlag AG, ISBN 978 3 7643 8631-3

ULLMANN Franziska (2011). *Basics – Architecture and Dynamics*, Springer Wien New York ISBN 978-3-7091-0323-4

Study materials can be found on the [TEAMS](#)