Name of Course: DESIGN STUDIO 5.

Course Code: EPE315ANEM

Semester: 5th

Number of Credits: 8

Allotment of Hours per Week: 1 Lectures and 4 Labs / Week

Evaluation: mid-term grade

Prerequisites: EPE314ANEM, Design Studio 4.

EPE102ANEM, Building Constructions 4.

Responsible lecturer: Péter ZILAHI dr., associate professor

Office: 7624 Hungary, Pécs, Boszorkány str. 2. B-327

E-mail: zilahi.peter@mik.pte.hu

Instructors: András GREG dr., assistant professor

Office: 7624 Hungary, Pécs, Boszorkány str. 2. B-327

E-mail: greg.andras@mik.pte.hu

Veronika SZTRANYÁK dr., assistant professor

Office: 7624 Hungary, Pécs, Boszorkány str. 2. B-327

E-mail: sztranyak.veronika@mik.pte.hu

Erika VÖRÖS dr., assistant professor

Office: 7624 Hungary, Pécs, Boszorkány str. 2. B-327

E-mail: voros.erika@mik.pte.hu

Péter ZILAHI dr., assistant professor

Office: 7624 Hungary, Pécs, Boszorkány str. 2. B-327

E-mail: zilahi.peter@mik.pte.hu

## General Course Description

The Design Studio 5. Course is studio work in the Architecture program and is carried out as an individual design project during the midterm of the program. The course focuses on the design procedure of a public building, students must define the client, establish the program, propose, and develop the design, schedule the work.

The finished and accepted project is shown and present at the end of the semester at the front of a Lecturer’s Group for demonstrating the acquired architectural knowledge and abilities.

## Learning Outcomes

Knowledge:

* Perceiving the connections and relations between the human, natural and architectural environment.
* Examining and exploring the meaning and rules of public building architecture.
* Knowing the social, economic, and ethical responsibility of the architect.

Capability

* Capable to prepare technical drawings and presentations.

Attitude

* Aim to achieve high-quality, harmonious architectural products that meet both aesthetic and technical requirements.
* Aim to put the architectural profession into community service, sensitive to human problems, open to environmental and social challenges, while respecting traditions, recognizing and protecting the values of the built and natural environment.
* Openness to receiving new information and strives for the continuous development of his professional and general education.

Autonomy

* Doing the work in the knowledge of the social impact of the built environment.

## Subject Content

Students are required to complete design work relating to a new public building and an actual building site. Students are required to submit all their plans documenting their work on the design and are assessed on the following aspects: architectural design, development concept, functionality, and volume forming and space composition. For the preliminary and final plans, only digital graphics can be used. Students are also required to complete models of the plan in a material of their choice. The following aspects of public building design are covered: design work of specified types of public buildings, content programs, the optimal layout of the designed content on the floor plan, external appearance of the building, volume design practice, methods of representation, and preparation of color designs. This subject includes an architectural design project in the practical part (marked with a P) where students can practice and further develop the content of the lectures (marked with an L).

The Course includes:

* Regular (weekly) supervision by a teacher of the Architectural Institute. There are generating feedbacks by Main Supervisor after consultations and exams.
* ‘Project Documentation’ for planning permission of the designed building, as the summarize of the engineering working drawings documentation (ground plans, sections, elevations 1:100), and handmade models (1:200). The drawing tasks must be backed up and attached to CD/DVD.
* Examinations in five stages (after the Schedule of the Course).

## Examination and evaluation system

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.

Attending is required all classes. Unexcused absences will adversely affect the grade, and in case of absence from more than 15% of the total number of lesson (it is max. 2 lesson) will be grounds for failing the class. To be in class at the beginning 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 family emergency, the student must present a valid excuse, such as a doctor's note.

Grading will follow the course structure with the following weight:

1st Critical Consultation 5 %

Design Journey 5+5+5 %

2nd Critical Consultation 15 %

Short Task 10 %

Final Presentation 55 %

The final grade will be based on the following guidelines:

(Grade 5) Outstanding work

Execution of work is thoroughly complete and demonstrates a superior level of achievement overall with a clear attention to detail in the production of 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 those ideas in an exemplary fashion in.

(Grade 4) High quality work

Student work demonstrates a high level of craft, consistency, and thoroughness throughout 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 an ‘5’ student.

(Grade 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.

(Grade 2) Less than satisfactory work

Graphic and modelling work is substandard, incomplete in significant ways, and lacks craft and attention to detail.

(Grade 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 |
|  | A, excellent | B, good | C, average | D, satisfactory | F, Fail |
| Evaluation in points: | 85% - 100% | 70% - 84% | 55% - 69% | 40% - 54% | 0 - 39% |

## Readings and Reference Materials

Required:

* + Peter Zilahi Dr.: Design Methodology 1.

More:

* + [Ching, F. (1996). Architecture: form, space, & order (2nd ed). New York: Van Nostrand Reinhold](http://joom.ag/mLhb)
  + Uta Graff (2018, München): Thinking through Material
  + Bert Bielefeld (2016, Basel): Planning Architecture, Dimensions and typologies
  + [E.Neufert, P. Neufert (2002). Neufert Architects' Data](http://joom.ag/0Lhb)
  + [Julius Panero, Martin Zelnick (1979) Human Dimension and Interior Space: A Source Book of Design Reference Standards ISBN 0823072711. Watson-Guptill](http://joom.ag/WYhb)
  + [Francis D. K. Ching (2002) Architectural Graphics Fourth (4th) Edition. JOHN WILEY & SONS, INC.](http://joom.ag/DLhb)
  + Julia McMorrough (2014). Drawing for Architects: How to Explore Concepts, Define Elements, and Create Effective Built Design through Illustration
  + Pressman, A. (1993). Architecture 101: a guide to the design studio. New York: Wiley.
  + Unwin, S. (2003). Analysing architecture (2nd ed). New York: Routledge.
  + Clark, R.H. and Pause M. (1996). Precedents in architecture (2nd ed). New York: Van Nostrand Reinhold.

## Methodology

The course is based on through collaboration, participation, and discussions trough lessons. This is an interaction between Students and Faculty; used the teaching methods like ‘Problem-based learning’ and ‘learning-by-doing’. The communication and work should be reflecting a respect for fellow students and their desire to work regarding noise levels, noxious fumes, etc – from each site of participants. (You will need: sketch paper roll, Ruler scale, sketchbook, pencils, pens, rulers, carton paper for modelling, notebook, internet.)

## 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.

# Annex

## A01 Course Programme

[A02](https://drive.google.com/file/d/1uILGuyOZ-DeHU2tP3TNMb66odFkHBtnD/view?usp=sharing) Task Description

## Course programme

Legend:

L = lecture

C = consultation, CC = critical consultation with jury

ST = short task what must be uploaded to the common surface

AW = autonomous work, drawing materials for the consultation

DJ = design journey

FP = final presentation

|  |  |  |  |
| --- | --- | --- | --- |
| Week | Activity | Purpose | Evaluation |
| 1 | L | Orientation | Presence / attendance record |
| 2 |  | Site visit: Szigetvár  Travel together by train | Active presence |
|  | AW | Consultation model: environment, M 1:500 | Common evaluation |
|  | DJ | Analyses | Common evaluation |
| 3 | L | Functions  Presentation Techniques 01 | Presence / attendance record |
|  | C | Common evaluation of  AW + DJ | Active presence |
|  | AW | Consultation model:  functional blocks, M 1:500 | Common evaluation |
|  | DJ | Functional analyzing figures | Common evaluation |
| 4 | CC1 | 1st Critical Consultation  É81, 8.30  Required content:  Drawings printed on A3 posters  - analyses  - site plan 1:500  - contemporary examples  Models  - Environment model 1:500 | hort verbal feedback and scoring, maximum 5 points  evaluation criteria:   * connections and relations between the human, natural and architectural environment * high-quality, harmonious architectural products |
| DJ | Design Journey  The design diary should be presented together with the drawings. | short verbal feedback and scoring, maximum 5 points  evaluation criteria:   * coherence with the designing process * the process of working independently |
| AW | Self-assessment of critical comments | Common evaluation |
| 5 | L | The Design Program as a Process of Cognition | Presence / attendance record |
|  | C | Common evaluation of  AW + DJ | Active presence |
|  | AW | Consultation model:  mass model 1:200 | Common evaluation |
|  | DJ | Floorplans and sections 1:200 | Common evaluation |
| 6 | L | Human – Nature -Space | Presence / attendance record |
|  | C | Common evaluation of  AW + DJ | Active presence |
|  | AW | Consultation model:  mass model 1:200 | Common evaluation |
|  | DJ | Floorplans and sections 1:200 | Common evaluation |
| 7 | L | Urban Forms | Presence / attendance record |
|  | C | Common evaluation of  AW + DJ | Active presence |
|  | AW | Consultation model:  mass model 1:200 | Common evaluation |
|  | DJ | Floorplans and sections 1:200 | Common evaluation |
| 8 | CC2 | 2nd Critical consultation  É81, 8.30  Required content:  Drawings printed on posters  - analyses  - schema drawings  - site plan 1:500  - floor plans 1:200  - sections 1:200  - 3 visualizations  Models  - All of the consultation models  - Presentation models 1:200, 1:500 | short verbal feedback and scoring, maximum 15 points  evaluation criteria:   * connections and relations between the human, natural and architectural environment * high-quality, harmonious architectural products |
|  | DJ | Design Journey  The design diary should be presented together with the drawings. | short verbal feedback and scoring, maximum 5 points  evaluation criteria:   * coherence with the designing process * the process of working independently |
|  | AW | Self-assessment of critical comments | Common evaluation |
|  | DJ | Floorplans and sections 1:200, axonometrical scetches | Common evaluation |
| 9 | All Saints' Day | | |
| 10 | L | Functional Systems | Presence / attendance record |
| C | Common evaluation of  AW + DJ | Active presence |
| AW | Consultation model:  mass model 1:200 | Common evaluation |
| DJ | Floorplans and sections 1:200 | Common evaluation |
| 11 | L | Components from the Environmental Psychology | Presence / attendance record |
|  | C | Common evaluation of  CM1 + CM2 | Active presence |
|  | ST | The purpose of the short task is for the student to make autonomous decisions. The task will be to design a tiny public building. The exact assignment will be announced on Friday, at 8 a.m.  **Deadline: 20.11.2021 8:00** | scoring, maximum 10 points  evaluation criteria:   * coherence with the designing process * the process of working independently |
|  | DJ | Floorplans, sections, elevations 1:100 | Common evaluation |
|  | AW | Consultation model:  Paper model 1:200 | Common evaluation |
| 12 | L | Presentation Techniques 02 | Presence / attendance record |
|  | C | Common evaluation of  CM1 + CM2 | Active presence |
|  | DJ | Floorplans, sections, elevations 1:100 | Common evaluation |
|  | AW | Consultation model:  Paper model 1:200 | Common evaluation |
| 13 | FP1 | Final presentation  Required content:  Drawings printed on posters  - analyses  - schema drawings  - site plan 1:500  - floor plans 1100  - sections 1:100  - elevations 1:100  - wall section 1:25  - visualizations  Models  - All the consultation models  - Presentation models 1:200, 1:500  Theoretical description | short verbal feedback and scoring, maximum 55 points  evaluation criteria:   * connections and relations between the human, natural and architectural environment * high-quality, harmonious architectural products |
|  | DJ | Design Journey  The design diary should be presented together with the drawings. | short verbal feedback and scoring, maximum 5 points  evaluation criteria:   * coherence with the designing process * the process of working independently |
| 15 | FP2 | Final presentation  **Tuesday, 12th December 2023**  Required content:  Drawings printed on posters  - analyses  - schema drawings  - site plan 1:500  - floor plans 1100  - sections 1:100  - elevations 1:100  - wall section 1:25  - visualizations  Models  - All the consultation models  - Presentation models 1:200, 1:500  Theoretical description | short verbal feedback and scoring, maximum 55 points  evaluation criteria:   * connections and relations between the human, natural and architectural environment * high-quality, harmonious architectural products |
|  | DJ | Design Journey  The design diary should be presented together with the drawings. | short verbal feedback and scoring, maximum 5 points  evaluation criteria:   * coherence with the designing process * the process of working independently |

Peter ZILAHI dr.

responsible lecturer

Pécs, 28.08.2023