# General Information:

**Curriculum:** Undivided Master's Degree in Architectural Engineering,

 Bachelor's degree in architecture, Bachelor's degree in architectural

 engineering

**Subject name: Architectural drawing, knowledge of form 3.**

**Subject code:** EPE347MNEM

**Semester:** 4

**Number of credits:** 3

**Distribution of weekly hours:** 0/3/0

**Evaluation:** midterm mark (f)

**Prerequisites: Architectural drawing, knowledge of forms 2.**

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**Subject description**

The subject of the course is based on the most important elements of academic drawing knowledge, so freehand drawing is both technical (drawing quality, contours, tones, correct use), as well as theoretical knowledge of the visualization of the seen image, and the application of different perspectives are part of the course. The course also covers the application of painting techniques, not only in technical (watercolor, ink, stain) but also in their theoretical aspects. The course pays attention to the development of the students' spatial vision and form culture, emphasizing, in addition to the practice of drawing after the model, the mapping and recall of the "inner vision", the "calling images" in the brain. The course covers the principles of composition and the laws of the internal ratio of image editing.

## Purpose of education

The basic goal of the course is to learn the basics of independent visual expression so that the architectural presentation, from the first sketches to the complete visual design, does not cause problems for the student.

## Subject’s content

During the semester, students will further develop their freehand drawing skills. This semester is aimed at deepening the skills of perspective and sketch drawing, architectural freehand rendering.

In three blocks during the semester, students will create study drawings of perspective views, practice sketching mass sketches of architectural plans through thematic exercises, and draw freehand perspective views using the drawing techniques learned in the previous semester.

The practical exercises are related to the topics of Design Studio 4 at several points, supported by the processing of actual design tasks in freehand drawings.

**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*

[*https://international.pte.hu/sites/international.pte.hu/files/doc/TVSZ%202022\_06\_23\_ENG.pdf*](https://international.pte.hu/sites/international.pte.hu/files/doc/TVSZ%202022_06_23_ENG.pdf)

**Attendance**

In accordance with the Code of Studies and Examinations of the University of Pécs, Article 45 (2) and Annex 9. (Article 3) a student may be refused a grade or qualification in the given full-time course if the number of class absences exceeds 30% of the contact hours stipulated in the course description.

Attendance in practical classes: the student is obliged to prepare for each class according to the topics set out in the syllabus, to present himself/herself, if necessary, with the work for proofreading and with the tools and materials provided by the teacher, and to participate actively in the class for the entire duration of the class.

If the student fails to meet this minimum requirement, it is considered an absence!

Method for monitoring attendance: attendance sheet

**Assessment**

**During the semester, the works will be marked with added points.**

**The maximum number of points that can be obtained for the completion of the assignments is 440 points, which is the 100% grading system.**

**A maximum of 20 extra points will be awarded for the timely submission of assignments according to the following system:**

**Description of the point system for homework:**

Presentation of individual work in the first class after publication - 2 points

Presentation of individual work at the second hour after publication -1 point

Presentation later than this - 0,5 points

Failure to complete the assignment to the required standard - 0 point

Up to 10 extra points may be awarded for the whole semester if the student's work is of outstanding quality.

In total, the student may obtain a maximum of 440 + 30 points, of which 440 points will be the decisive percentage for the assessment!

**Mid-term assessments, performance evaluation and their ratio in the final grade**

|  |  |  |
| --- | --- | --- |
| **Type** | **Assessment** | **Ratio in the final grade** |
| *Block 01 – 7.week* | *max 110 points* |  *25 %* |
| *I drawing exam task* | *max 100 points* | *23 %* |
| *II. drawing exam task* | *max:120 points* | *27%* |
| *Block 02 - 15 week* | *max: 110 points* | *25%* |

**Opportunity and procedure for re-takes (PTE TVSz 47§(4))**

The specific regulations for improving grades and resitting tests must be read and applied according to the general Code of Studies and Examinations. E.g.: all tests and assessment tasks can be repeated/improved at least once every semester, and the tests and home assignments can be repeated/improved at least once in the first two weeks of the examination period.

Corrections to the material of the two blocks of drawings can be made until the final presentation of the drawings at the latest, i.e. until the make-up submission in the first week of the examination period!

**Requirements for the end-of-semester signature**

By signing the form, the instructor certifies that the student has fulfilled his/her mid-term obligations:

-attended classes (prepared for classes according to the syllabus/timetable)

-complied with/exhibited good conduct in completing the course, making corrections, making up work

-complied with formal/content requirements (all parts of work completed and/or corrected, made up)

If these are fulfilled, the signature will be given

-graduated in a subject with mid-term marks

**Grade calculation as a percentage**

based on the aggregate performance according to the following table.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Grade: | 5 | 4 | 3 | 2 | 1 |
|  | A, jeles | B, jó | C, közepes | D, elégséges | F, elégtelen |
| Performance in % | 85%-100% | 70%-84% | 55%-69% | 40%-55% | 0-39% |

## Literature

Architectural Drawing 03

Lecturer notes, teaching aids – TEAMS uploaded, printable format available in Jegyzetbolt

[Ernest Ralph Norling](https://www.google.com/search?sa=X&biw=1536&bih=763&sxsrf=ACYBGNT5LcAGfA-4qLyNN5axAbfM_KgunQ:1570089780183&q=perspective+made+easy+ernest+ralph+norling&stick=H4sIAAAAAAAAAB3HMQ7CMAwF0AmJAXVgZrAYu0QtWy-D0tZKIwc7-nGpuA4nReJt79xdLyGFYZwbVDTd_xseGAWp9DdZpjCbSTiQ3Vmfh0GmuPtm-J76ymiVF89vpldcmTi2DzGUmxNiqRupoWRNP0pYlbJpAAAA&ved=2ahUKEwirz_Oc0P_kAhUDbVAKHcCBBSkQmxMoATAbegQICxAd): Perspective made easy

Published January 19th 1999 by Dover Publications (first published 1939) – Available free on internet

## Teaching method

The course is based on continuous communication between teachers and students.

Method:

1. continuous consultation during class time, according to the syllabus announced in the detailed course programme

2. independent work during class time according to the semester timetable announced in the detailed course programme

3. independent work at home

4. independent research, data collection, analysis

# Detailed course program and requirements

## Methodology and system of criteria:

During the course, each lesson starts with a theoretical introduction, where drawing and drawing technique questions according to the given topic are presented. The practical tasks are based on these theoretical knowledge. In addition to continuous consultation, individual work takes place in the classes, where the students receive correction and continuous feedback from the instructor.

The homework assignments allow you to practice and deepen the knowledge, skills and abilities learned in class.

Homework assignments are consulted, correction, and scored at the beginning of the class following the release. It is possible to present the corrections of the corrected class and homework assignments the week after the proofreading.

Aspects of evaluation of the drawings:

* complexity of drafting
* drawing accuracy
* correctness of composition
* originality and wit
* form culture

**Programme by week**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Task**  | **Work during lesson** | **point** | **Homework** | **Literature** | **point** |
| 1  | Sketching task.Drawing a setting in perspective, full tone. | 10 | Create a spatial composition from given elements in two-point perspective. | Architectural Lecturer Notes and Teaching AidsTeams uploaded, Printable format available in JegyzetboltTask 01 | 10 |
| 2 | Sketching task.Reconstruction of a building based on views. Plan sheet. | 10 | Further construction, conversion in a given style. Sight plan. | Architectural Lecturer Notes and Teaching AidsTeams uploaded, Printable format available in JegyzetboltTask 02 | 10 |
| 3  | Sketching task.Drawing a setting in perspective, full tone. | 10 | Transforming the lesson composition into a building-like mass. Plan sheet. | Architectural Lecturer Notes and Teaching AidsTeams uploaded, Printable format available in JegyzetboltTask 03 | 10 |
| 4  | Sketching task.A creative painting exercise. Material collage composition based on colour and surface. Design of proportions, rhythm according to a given aspect. | 10 | Visual design of your own design task using collage technique. Two versions.  | Architectural Lecturer Notes and Teaching AidsTeams uploaded, Printable format available in JegyzetboltTask 04 | 15 |
| 5  | Sketching task.Guided design task. Connecting building masses in a given space situation. Plan sheet. | 15 | Another exercise for the same situation.Plan sheet. | Architectural Lecturer Notes and Teaching AidsTeams uploaded, Printable format available in JegyzetboltTask 05 | 15 |
| 6  | Sketching task.Perspective image of a geometric group of bodies. Toning using the frottage technique. | 10 | Visual design of your own design plan using the frottage technique. Two versions. | Architectural Lecturer Notes and Teaching AidsTeams uploaded, Printable format available in JegyzetboltTask 06 | 10 |
| 7  | Sketching task.Guided design task.Building-like mass design based on geometric composition. Plan sheet. | 15 | Colourful, geometric composition based on your own design brief. | Architectural Lecturer Notes and Teaching AidsTeams uploaded, Printable format available in JegyzetboltTask 07 | 10 |
| 8 | Sketching task.Drawing a setting with a mirror image. | 15 | Toning the drawing from lesson | Architectural Lecturer Notes and Teaching AidsTeams uploaded, Printable format available in JegyzetboltTask 08 |  |
| 9 | Still life with mirror. Mixed media, in colour. | 10 | Window. Transparency and reflection. Study drawing in a technique of your choice. | Architectural Lecturer Notes and Teaching AidsTeams uploaded, Printable format available in JegyzetboltTask 09 | 10 |
| 10 | Perspective image of a geometric body group in full tone. | 10 | Thinking ahead with your own plan on a plan sheet. Free choice of technique. | Architectural Lecturer Notes and Teaching AidsTeams uploaded, Printable format available in JegyzetboltTask 10 | 15 |
| 11.  | Exam schematic.Visualisation of geometrical elements. |  | 100 |
| 12.  | Exam schematic. Guided design. |  | 100 |
| Sketching task. |  | 20 |

**First drawing block tasks 1-6, submission in week 7**

**Week 09 spring break**

**1st Examdrawing week 13**

**2nd Examdrawing week 14**

**Submission of assignments 1-10 week 15**

**Repair replacement: week 16**

We reserve the right to make changes in the details of this subject program (date/venue/clarifications), of which we inform the students in all cases. Questions and problems that arise during the semester can be addressed to the subject supervisor and the institute coordinator during the diligence period.

 dr.Németh Pál

 subject manager

Pécs, 2023.01.27.