# 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 1.**

**Subject code:** EPE345MNEM

**Semester:** 2

**Number of credits:** 3

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

**Evaluation:** midterm mark (f)

**Prerequisites: Design studio 1.**

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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 get to know the basics of both drawing and drawing techniques. In the first third of the semester, the main topics are line pencil drawing and the technique and rules of one- or two-point perspective. Here, students learn about the rules of image editing; with the principle and importance of image composition and the decomposed image.

The second drawing block is based on ink and stain techniques. The learned techniques and knowledge are applied to the presentation of their architectural plans.

In the third stage, the participants of the course are introduced to colorful techniques. They learn the basics of watercolor and tempera painting, the basic rules of color composition, the application of color techniques in architectural visualization,

At several points, the practical tasks are connected to the subject matter of Design studio 2, supporting it by processing current 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 240 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 240 + 30 points, of which 240 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** |
| *01 Block* | *max 120 points* | *50 %* |
| *02 Block* | *max 120 points* | *50 %* |
|  |  |  |
|  |  |  |

**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

Lecturer notes, teaching aids – TEAMS. printable format 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

## Program according to tasks

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Task** | **WORK DURING LESSON** | **Points** | **HOMEWORK** | **Literature** | **Points** |
| 01 | The characteristics of the vertical perspective based on the given example,  "the tower"  Basics of the central perspective  A/2 pencil | 10 | Hourly work in unidirectional  (central) perspective  A/2 pencil | Architectural Lecturer Notes and Teaching Aids  Teams uploaded, Printable format available in Jegyzetbolt  Task 01 | 10 |
| 02 | Lesson setting schematic drawing from 4 different points of view  A/2 pencil | 12 | Processing lesson settings with other techniques such as felt pen, brush felt, pen A/2 felt pen, brush felt, pen | Architectural Lecturer Notes and Teaching Aids  Teams uploaded, Printable format available in Jegyzetbolt  Task 02 | 12 |
| 03 | Design studio project sheet  A/2 any technique | 10 | Design studio submission booklet 01  A/3 any technique | Architectural Lecturer Notes and Teaching Aids  Teams uploaded, Printable format available in Jegyzetbolt  Task 03 | 10 |
| 04 | The basics of a bird's eye view. A bird's-eye view of the composition created during the first week's homework  A/2 - pencil  The theory of the "frog perspective" | 15 | Representation of the composition created during the first week's work in a frog perspective  A/2 - pencil | Architectural Lecturer Notes and Teaching Aids  Teams uploaded, Printable format available in Jegyzetbolt  Task 04 | 10 |
| 05 | Toning exercise  A/2 pencil | 15 | Still life, toning exercise A/3 | Architectural Lecturer Notes and Teaching Aids  Teams uploaded, Printable format available in Jegyzetbolt  Task 05 | 10 |
| 06 | The golden ratio, guided task.  (principle of chiaro scuro) | 20 | Completion of the golden ratio, guided task with toning, | Architectural Lecturer Notes and Teaching Aids  Teams uploaded, Printable format available in Jegyzetbolt  Task 06 |  |
| 07 | Painting techniques01  Wood marinade  Guided task  A/3 watercolor cardboard | 10 | Still life with wood marinade, based on home setting  A/3 watercolor cardboard | Architectural Lecturer Notes and Teaching Aids  Teams uploaded, Printable format available in Jegyzetbolt  Task 07 | 10 |
| 08 | Painting techniques01  Tus – Grisailles technique  Based on lesson setting  A/3 watercolor cardboard | 20 | coloring task with watercolor paint | Architectural Lecturer Notes and Teaching Aids  Teams uploaded, Printable format available in Jegyzetbolt  Task 08 |  |
| 09 | Painting techniques03  Watercolor paint  Guided task  A/3 watercolor cardboard | 10 | Still life based on watercolor, home setting  A/3 watercolor cardboard | Architectural Lecturer Notes and Teaching Aids  Teams uploaded, Printable format available in Jegyzetbolt  Task 09 | 10 |
| 10. | Controlled design  A/2 – free technique | 10 | visual design, mixed technique based on watercolor | Architectural Lecturer Notes and Teaching Aids  Teams uploaded, Printable format available in Jegyzetbolt  Task 10 | 10 |
| 11. | Design studio project sheet  A/2 any technique | 10 | Design studio submission booklet 02  A/3 any technique | Architectural Lecturer Notes and Teaching Aids  Teams uploaded, Printable format available in Jegyzetbolt  Task 11 | 10 |
| 12. | Painting techniques04  Tempera  Guided task  A/3 watercolor cardboard | 10 | Tempera  Guided task  A/3 watercolor cardboard | Architectural Lecturer Notes and Teaching Aids  Teams uploaded, Printable format available in Jegyzetbolt  Task 12 | 10 |

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

**Week 09 spring break**

**Submission of assignments 1-12 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.