*General Informations:*

**Curriculum:** Architecture Bsc, Architecture OTM

**Name of Course: Design studio 3.**

**Course Code:** EPE313ANEM

**Semester:** 3th

**Number of Credits:** 8

**Allotment of Hours per Week:** 1 Lectures and 4 Practical Lessons /Week

**Evaluation:** mid-term grade

**Prerequisites: Completed Design studio 2. and Building Constructions 2.**

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Credits: **8**

Total hours: **240**

Classroom lessons: 70 (1l+4pl x 14 week)

Self-study hours: 170 (11,3 hour/week -> 1,6 hour/day)

**General Course Description**

The Design studio 3. course is studio work and is carried out as an individual design project during the mid - term of the programme. The course focuses on the design procedure of a contemporary new residential building, students have to 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 demonstrate the acquired architectural knowledge and abilities.

**Learning Outcomes**

The course will focus on:

* Developing the ability to think intuitively and creatively
* Examine and exploring of meaning and rules of residential architecture
* Bring questions and examine aspects of planning, human resources and legal concerns, all in direct relation to the specifics of design.
* Clear architectural communication at the presence of Professor’s Group
* Carrying out within a specified time

**Subject content**

Students are required to complete a new residential building design work related an real site. Students have to submit all their plans documenting their work on the design process and are assessed on the following aspects: architectural design, development concept, functionality, volume/mass forming and spatial space composition. For the preliminary and final plans only free-hand graphics can be used. Students are also required to complete a paper model of the final plan. The following aspects of residential building design are covered: design work of specified types of residential buildings, content programmes, optimal layout of the designed content on the floor plan, external appearance of the building, volume/mass design practice, methods of representation, and preparation of colour 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) supervisions by teacher of the Institute of Architecture. There are generating feedbacks by Main Supervisor after consultations and exams.
* Process Dairy Booklet (Sketch Book) which is assessed as part of the regular supervision by the Teacher contains sketches, ideas, the design process etc.
* ‘Project Documentation’ for planning permission of the designed building, as the summarise of the engineering working drawings documentation (ground plans, sections, elevations 1:100, 1:200), and paper models (1:100, 1:200). The drawing tasks must be backed up and uploaded.
* Examinations (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*

[*https://international.pte.hu/current-students/information-related-your-studies/codes-and-guidelines*](https://international.pte.hu/current-students/information-related-your-studies/codes-and-guidelines)

**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..

Method for monitoring attendance: register, task presentation according to schedule

**Assessment**

Course resulting in mid-term grade (CSE 40§(3))

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

|  |  |  |
| --- | --- | --- |
| **Type** | **Assessment** | **Ratio in the final grade** |
| ***Project Presentation – Task 01*** | *max 10 points* | *10 %* |
| ***Project Presentation – Task 02*** | *max 70 points* | *70 %* |
| ***Project Presentation – Task 03*** | *max 10 points* | *10 %* |
| participation, progress, effort and attitude | *max 10 points* | *10 %* |

**Opportunity and procedure for re-takes (CSE 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.

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

By providing the signature, 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 the requirements of the course
-complied with the formal/architectural content requirements (all parts of the work have been completed and/or corrected)

If these are fulfilled, the signature will be given
-term work will be graded.

The signature only certifies the above, the architectural content will be assessed with a grade out of 5 (1,2,3,4,5).

**Re-takes for the end-of-semester signature (CSE 50§(2))**

The specific regulations for grade betterment and re-take must be read and applied according to the general Code of Studies and Examinations.

**Grade calculation as a percentage**

based on the aggregate performance according to the following table.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Grade: | 5 | 4 | 3 | 2 | 1 |
|  | A, excellent | B, good | C, satisfactory | D, pass | F, fail |
| Performance in % | 85%-100% | 70%-84% | 55%-69% | 40%-55% | 0-39% |

Please note that attendance will adversely affect one's grade, both in direct grade reduction 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 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.

**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.

**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.

**Readings and Reference Materials**

[1.] [Ching, F. (1996). Architecture: form, space, & order (2nd ed). New York: Van Nostrand Reinhold](http://joom.ag/mLhb)

[2.] [Rem Koolhas, Elements of Architecture, Cologne,Germany 2018, Taschen Gmbh, ISBN10 3836556146](https://www.taschen.com/pages/en/catalogue/architecture/all/04634/facts.koolhaas_elements_of_architecture.htm)

[3.] [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)

[4.]  [János Bitó - Housing design 2013](https://dtk.tankonyvtar.hu/xmlui/bitstream/handle/123456789/12105/2011-0055_housing_design.pdf?sequence=2&isAllowed=y)

[5.] [E.Neufert, P. Neufert (2002). Neufert Architects' Data](http://joom.ag/0Lhb)

[6.] [Francis D. K. Ching (2002) Architectural Graphics Fourth (4th) Edition. JOHN WILEY & SONS, INC.](http://joom.ag/DLhb)

**Methodology**

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

The studio will provide an opportunity through the semester-long design problem for you to engage disciplinary discussions of structure (form/force/material) and skin (layering/articulation/performance) as the basis for a formal design project.

**Studio Culture:**

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 reflect a respect for fellow students and their desire to work with regard to noise levels, noxious fumes, etc – from each site of participants. (You will need: sketch paper-roll, scale-ruler, sketchbook, pencils, pens, rulers, carton paper for modelling, notebook, internet.)

**Attendance:**

Attending is required all classes and will impact the grade (max. 10%). Unexcused absences will adversely affect the grade, and in case of absence from more than 30% of the total number of 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.

**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.

**Legend:**

***drawing materials for the consultation*** – it has to be uploaded to the personal online booklet till one day before the next consultation

***model for the consultation*** – it has to be prepared till the consultation. New model is required for every single consultation and have to present them in the critical consultations and final presentation

***Important:*** the presence at the consultations is valid just in that case if you uploaded sketches and drawings and prepared the current model!

Pécs, 01.09.2022

Donát **RÉTFALVI** dr.
course director
associate professor
Head of the Institute of Architecture

## Semester Schedule

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Tasks** | **Purpose** | **Evaluation** |
| **1** | Orientation, registration |  |  |
| **2** | Introduction of the semester tasks:Task 01 4week short taskTask 02 Semester projectTask 03 Essay |  | Active presence / attendance record |
| **3** | Task 01„4 week short task” | consultation, rescaled drawings, layout plan,paper model preparation, analyse the building | Active presence / attendance record Common evaluationDeadline: one day before the next week’s consultation, 24:00 |
|  | Task 02 | independent work: visit the site, taking pictures, sketches, get to know the files and the property |  |
| **4** | Task 01„4 week short task” | consultation, rescaled drawings, fixing layout plan, paper model  | Active presence / attendance record Common evaluationDeadline: one day before the next week’s consultation, 24:00 |
|  | Task 03 Essay | Presenting the selected 10-15 residential house | Check and chooseActive presence / attendance record  |
|  | Task 02 | independent work: visti the site, taking pictures, sketches, get to know the files and the property, preparing for work |  |
| **5** | Task 01„4 week short task” | Submission | Active presence / attendance record Common evaluation |
|  | Task 02Semester Project | Introduction | Active presence / attendance record Common evaluationDeadline: one day before the next week’s consultation, 24:00 |
| **6** | Task 02Semester Project Concept phase | Consultation Analyses, Functional analyzing figures site plan 1:500 and 1:200 model:environment, M 1:200 | Active presence / attendance record Common evaluationDeadline: one day before the next week’s consultation, 24:00 |
| **7** | Task 02Semester Project Concept phase | Design and functional program, site plan 1:200 , floor plans, sections | Active presence / attendance record Common evaluationDeadline: one day before the next week’s consultation, 24:00 |
|  | Task 03 Essay | consultation, checking the content | Active presence / attendance record  |
| **8** | Task 02Semester Project Concept phase | **CRITICAL CONSULTATION****Submission - Jury**  | Presence / attendance record Required content:Drawings printed on posters- analyses- schema drawings- site plan 1:500 and 1:200- floor plans 1:200- sections 1:200- 3 visualizationsModels- All of the consultation models- Presentation models 1:200, 1:500 |
| **9** | AUTUMN BREAK | independent work |  |
| **10** | Task 02Semester Project Final phase | ConsultationSiteplan 1:200 Floorplans, sections, elevations 1:100Consultation model:Paper model 1:200 | Active presence / attendance record Common evaluationDeadline: one day before the next week’s consultation, 24:00 |
| **11** | Task 02Semester Project Final phase | ConsultationSiteplan-gardenplan 1:200 Floorplans, sections, elevations 1:100additional figures, drawings, visualsConsultation model:Paper model 1:200 | Active presence / attendance record Common evaluationDeadline: one day before the next week’s consultation, 24:00 |
|  | Task 03 Essay | consultation, checking the content | Active presence / attendance record |
| **12** | Task 02Semester Project Final phase | ConsultationSiteplan 1:200 Floorplans, sections, elevations 1:100additional figures, drawings, visualsConsultation model:Paper model 1:200 | Active presence / attendance record Common evaluationDeadline: one day before the next week’s consultation, 24:00 |
| **13** | Task 02Semester Project Final phase | ConsultationSiteplan 1:200 Floorplans, sections, elevations 1:100additional figures, drawings, visualsConsultation model:Paper model 1:200 | Active presence / attendance record Common evaluationDeadline: one day before the next week’s consultation, 24:00 |
|  | Task 03 Essay | Submission | Active presence / attendance record |
| **14** | Task 02Semester Project Final phase | **CRITICAL CONSULTATION** – preparing for final submissionRequired content:Final drawings checking- analyses- schema drawings- site plan 1:500- gardenplan 1:200- floor plans 1:00- sections 1:100- elevations 1:100- visualizationsModels- All of the consultation models- Presentation models 1:200, 1:500- Digital booklet pages | Active presence / attendance record Common evaluationDeadline: one day before the next week’s consultation, 24:00 |
| **15** | Task 02Semester Project Final phaseThu, 3.45 pm | **Final Submission - Jury*** Site Plan (1:500) and Garden Plan (1:200)

a./ the building site’s boundaries, fences, gates, parking places b./ the contour lines of the slope, the main level heights c./ the connecting road system inside and outside the plot d./ the cardinal points e./ the planned buildings and objects of the plot with their names, main measures, and height dates f./ the sign and names of roads, covered and green areas, the main level heights g./ the height of ledge and ridge, the number of storeys h./ tracks of the public utilities i./ the circulation of vehicles, transportation, people with different signs j./ eventual possible extension* Plans of Each Different Levels (1:100) with close environment

a./ beyond the main dimensions contain the measures of each room b./ doors with opening direction, windows with subdivisions c./ marking the functional necessary installation d./ the names, measures and coverings of the rooms e./ marking the close surroundings* Sections (1:100, in necessary number for understanding, min 2.) with close environment

a./ the typical height measures and the plan measures of the axis b./ the level heights c./ the names of the structures and materials, the order of layers d./ the main equipment with greater need of space* Elevations of Each Different Side (1:100) with close environment
* Views (in necessary number for understanding, min. 3 about the inner and 3 about the outer spaces), in high quality design and graphic
* Models

All of the consultation modelsPresentation models 1:200, 1:500* Digital booklet pages
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| **16****exam period** | **Retake for those who failed by 15th week submission**Thu, 3.45 pm |