**General Information:**

**Name of Course: Design Studio 1.**

**Course Code:** EPE311AN

**Semester:** 1st

**Number of Credits:** 9

**Allotment of Hours per Week:** 1/0/4

**Evaluation:** midterm grade

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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

**Subject content**

Requirements (tasks to be completed during the semester):

a.) Semi-annual tasks in a standard format:

The uniform appearance of all the assignments (5) to be completed during the semester is an important

aspect, therefore all assignments will be completed on the bottom 42.0/42.0 cm of an A/2 drawing

sheet (A2 drawing sheet size: 42.0 x 59.4 cm). The drawing sheet will be divided into an upper

"sketch" strip and a larger, square bottom "work area" (42.0x42.0 cm) at the start of each

assignment.

b.) Techniques used during the semester, necessary tools,:

The tasks to be completed during the semester will be carried out using manual techniques only. The

guidance of the tutors will be decisive in the selection, application and combination of appropriate

techniques. The aim is always to develop a quality of representation and individual expression.

You should come to the practical classes with the necessary tools for the class work, which are: drawing

board, A2 drawing sheets, drawing tools, sketchpad, parallel ruler, and for modeling in the second half

of the semester cardboard, metal ruler, scalpel and cutting mat

**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..

Method for monitoring attendance : attendance sheet / register

**Assessment**

**Mid-term assessments, performance evaluation and their ratio in the final grade** (The samples in the table to be deleted.)

|  |  |  |
| --- | --- | --- |
| **Type** | **Assessment** | **Ratio in the final grade** |
| *TASk 1* | *pl. max 5 points* | *eg:. 5 %* |
| *Task 2* | *pl. max 30 points* | *eg. 30 %* |
| *Task 3* | *pl. max 30 points* | *eg. 30 %* |
| *Task 4* | *pl. max 15 points* | *eg. 20 %* |
|  |  |  |

**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. Week 16

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

The signature of the instructor certifies that the student has fulfilled their mid-semester obligations:

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

-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 for a mid-term subject with a grade.

The signature is only proof of the above; the evaluation of the professional content is graded 1,2,3,4,5. So, you may have fulfilled all your obligations and therefore receive a signature, but you will receive an unsatisfactory grade due to the lack of professional content. If this happens at the end of the term (week 15), you may attempt to improve your grade 1 time during the exam period.

Week 15 - end of semester

-if passed, signature and mid-semester mark! (by 12.00 noon on Friday of week 15)

Mid-semester grades are 5 grades (1,2,3,4,5)

-if not passed, then NEPTUN recording (by Friday 15th week 12.00) - signature denied then->

-or if the signature is given, but the grade is unsatisfactory NEPTUN recording (by 12.00 noon Friday 15th week) then ->

week 16- exam period correction make-up - all exams 1x

-if passed, then signature and midterm grade!

Midterm grade is 5 grades (1,2,3,4,5)

-if you pass and have a signature, but the midterm grade is unsatisfactory(1), then NEPTUN recording you can retake the course in the next academic year!

-if not passed, then signature denied - NEPTUN recording you can retake the course in the next academic year)

Signature is only to certify the above, the professional content is assessed by a grade of 5 (1,2,3,4,5) on the exam! (max 50% midterm performance, minimum 50% exam performance. The Institute's recommendation is 40-60%!)

***Re-takes for the end-of-semester signature*** *(UP CoS 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. E.g.: all the tests and the records to be submitted can be repeated/improved each 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.*

**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, mediocre | D, satisfactory | F, unsatisfactory |
| Performance in % | 85%-100% | 70%-84% | 55%-69% | 40%-55% | 0-39% |

**Readings and Reference Materials**

Required:

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

[2.] ZOLTAN E.Sz. (2014) – Basics of Architecture

Recommended:

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

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

**Methodology:**

The course provides basic architectural and design skills, and is based on collaboration, participation, and discussion through classroom sessions. It is an interaction between students and faculty; teaching methods such as "problem-based learning" and "learning by doing" are used. Lectures of a frontal nature represent a small slice of the methodology. The emphasis is on active learning and a critical approach. To this end, the consultations will be divided into 4-person consultations. Although the consultations can be freely organized, a proactive approach is required.

Method:

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

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

3. independent work at home

4. independent research, collection of inspirations

The students' method of problem-solving models the actual design process (complex problem approach = parallel study of function-structure-form) but also reflects the academic nature of university-level education (research-analysis work).

The aim is to strengthen teamwork and to exploit its advantages (more eyes see more), with particular attention to ensuring that individual responsibility (to make one's plan) does not become team responsibility. Teamwork, therefore, means, discussing the work of the individual together.

**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*

Verified attendance at the practical lessons is based on the presentation of the current work part as set out in the course outline!

Final assessment should be completed in week 14. Retake : week 14

Task 1 *design tools experienced 5p*

Task 2- "Experienced space" 10p

Task 3 - "my house" 15(poster) +15 (model)p (min. 15p)

Task 4- "Space design" 20 (positive) (min 10p) +20p (negative) (min. 10p)

Freehand drawings - 5\*2p 10p (min. 5p)

Class activity 5p

Using the geometric design skills learned to guide spatial design task with a building construction work section.

Max. points available: 100 p

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.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Lecture | | | | |
| week | **Topic** | **Compulsory reading; page number**  **(from … to …)** | **Required tasks (assignments, tests, etc.)** | **Completion date, due date** |
| 1. | *design tools experienced – design expressions - experienced* | ADT\_2022 9-19  ADT\_2022 34-41 | **Task 1** *5p* - *taking pictures on campus representing the assigned design term – arranged to an explanatory 42\*42 Poster- digital (pdf)* | Week 4 |
| 2. |  | | | |
| 3. | Intro to architecture - architectural and design terms, design approaches | ADT\_2022 21-33  Basics B\_ 5-12 |  |  |
| 4. |  | | | |
| 5. | primary design elements - architectural form – geometry in architecture | ADT\_2022 42-63  Basics B\_ 35-49 |  |  |
| 6. |  | | | |
| 7. | architectural space - space defining elements Spatial organizations and relationships | ADT\_2022 42-63  Basics B\_ 56-78 |  |  |
| 8. |  | | | |
| 9. | FALL BREAK | | | |
| 10. |  | | | |
| 11. | analysis of scale, proportion, contrast and rhythm | Basics B\_ 27-30 |  |  |
| 12. |  | | | |
| 13. | Design tools (organization, order, hierarchy, light, color, texture) | ADT\_2022 69-112 |  |  |
| 14. |  | | | |
| 15. | correlation of structure, material, shape; structure - space- function | Basics B\_ 23-27 |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Practice/Laboratory Practice | | | |
| week | **Topic** | **Required tasks (assignments, tests, etc.)** | **Completion date, due date** |
| 1. | *– 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* | You can get a max. of 3 extra points | Week 2 |
| 2. | architectural walk 1  *-* study - architectural spaces all groups | **Task 2** *5p* “the experienced space” – collage about the impressions of the tour – creating a new space with fragments of pictures (42\*42) | Week 6 |
| 3. | freehand drawing practice 1 (F 1 -2p) – perspective  ***Task 3****- "my house" - choosing a contemporary house of high quality design – analysis and discussion of scale* | Understanding and presentation of contemporary buildings, that are created of basic geometric shapes, explained with drawings and models.  joint presentation of the task at the end of the lesson(selection of inspiring works). | Week 7 |
| 4. | *"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*  freehand drawing practice 1 (F 2-2p) – *"the cube and its transformations" –* orthogonal and axonometric views - | Submission of Task 1 |  |
| 5. | *"my house" - case study of the chosen house - thorough analysis of the setting, the architectural language, functionality - documenting the house model making 1:200*  freehand drawing practice 1 (F 3-2p) *"the cube and its transformations" -* compositions based on instructions | Submission of Task 2 |  |
| 6. | *freehand and hardline drawings about “my house (floorplans, sections, elevations, poster)* |  |  |
| 7. | First review : submission of Task 3 „my house” correction of Task 1, and 2 - showing F1 F2 F3 | | |
| 8. | ***Task 4*** *"my cube"* spatial experiments with cubes – draft model  *“the cube” freehand drawing by model / 6 views about a subtracted cube – reconstruction from orthogonal views (F 4-2)* | Space creation with modelling and drafting | Week 14 |
| 9. | FALL BREAK | | |
| 10. | *TASK 4 "my cube"* documentation of the design modelling - positive *“the cube” freehand drawing by model (F 5-2)* | Space creation with modelling and drafting |  |
| 11. | *TASK 4 "my cube"* documentation of the design modelling - negative | Finalizing the design |  |
| 12. | documentation of the design (layout, orthogonal views and sections) modeling - positive – freehand perspectives | Building the positive model + its drawings |  |
| 13. | documentation of the design (layout, orthogonal views and sections) modeling - negative – freehand perspectives | Building the negative model + its drawings |  |
| 14. | presentation of "my cube" task and the correction of task 1,2,3 on 42\*42cm points + all freehand drawings 10 p | | |
| 15. | Checking on the corrections | | |
| 16. | Re-Take – last chance for a signature | | |

Erzsébet Szeréna Zoltán dr.

course director

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