# course syllabus and course requirements

# 2023/2024 1. félév

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| ***Course title*** |  |
| ***Course Code*** | EPM021AN-LE-00  |
| ***Hours/Week: le/pr/lab*** | **2/0/0** |
| ***Credits*** | **4** |
| ***Degree Programme*** | **Interior and Spatial Design MA** |
| ***Study Mode*** | ***Nappali*** |
| ***Requirements*** |  |
| ***Teaching Period*** | **1.** |
| ***Prerequisites*** |  |
| ***Department(s)*** |  |
| ***Course Director***  |  |
| ***Teaching Staff*** | **Dányi,** Tibor Zoltán PhD, assistant professor office: 7624 Hungary, Pécs, Boszorkány u. 2. Office No B-322 E-mail: danyi.tibor@mik.pte.hu |
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# course description

*Neptun: Instruction/Subjects/Subject Details/Basic data/Subject description*

During the semester, students get to know the most important building materials and structures for interior designers. The lectures present the most frequently used materials, their properties, the possibilities of shaping individual materials into structures, and the possibilities of combining different types of materials. The independent tasks encourage the students to take a closer look at their environment, to get to know their built environment more deeply, and to explore the possibilities inherent in environmental design.

# syllabus

*Neptun: Instruction/Subjects/Subject Details/Syllabus*

## **goals and objectives**

*Neptun: Instruction/Subjects/Subject Details/Syllabus/Goal of Instruction*

The aim of the subject is that by the end of the semester, the students will be able to independently recognize the structures in the built environment, determine their transformability, and design them. In addition to the projected presentations, we present the various forms of appearance of individual building materials in a physically tangible way. We pay special attention to the issue of recycling materials and structures, to the opportunities offered by recycling and upcycling in order to reduce the environmental impact of construction activities. The course helps students acquire all the knowledge needed to complete the practical subjects of the Interior Designer course.

## **course content**

*Neptun: Instruction/Subjects/Subject Details/Syllabus/Subject content*

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|  | **TOPICS** |
| **LECTURE** | 1. *Building systems*
2. *Building materials*
3. *Materials in interior design*
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### **DETAILED SYLLABUS AND COURSE SCHEDULE**

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| --- | --- |
|  |  ***LECTURE***  |
| *Date*  | *Week* | **Topic** | **Compulsory reading; page number****(from … to …)** | **Required tasks (assignments, tests, etc.)** | **Completion date, due date** |
| *09.05.* | *1.* | The built environment and its transformation. Features, opportunities, challenges. | [1] |  |  |
| *09.12.* | *2.* | The most important raw materials of architecture/interior design: Wood. Different types of wood and their uses. Forms of processing, aspects of durability. Structure and decoration. | [1] 29-45 |  |  |
| *09.19.* | *3.* | Masonry structures: the appearance of the most common materials, the development of building materials and technologies. From homogeneous structures to layered structures. | [1] 58-76 |  |  |
| *09.26* | *4.* | Stone in architecture and interior design: Structure and surface, visible and hidden materials. Surface formation, homogeneous and layered structures. | [1] 45-58 |  |  |
| *10.03.* | *5.* | Frame construction systems. Wood, steel, reinforced concrete structures. Design freedom compared to load-bearing wall systems. Relationship between building frame and building envelope. Hidden and exposed structures. | [3.] 14,16 |  |  |
| *10.10.* | *6.* | Metals in the construction industry: structure, cladding, furniture. Properties of different metals, alloys and composite materials. | [1] 77-98 |  |  |
| *10.17.* | *7.* | Concrete and reinforced concrete in architecture: its history, role and significance in modern architecture. The opportunities and constraints offered by reinforced concrete. | [1] 98-111 |  |  |
| *10.24.* | *8.* | 1st test from the material of weeks 1-7.Traditional and dry plasters, dry architecture: advantages and disadvantages. Formability and transformability, opportunities and constraints. | [1] 111-122 | 1st test | week 8 |
| *10.31.* | *9.* | Glass and plastic in space formation, space shaping. The development of production technology, the expansion of possibilities. Sustainability and recycling, advantages and disadvantages. | [1] 122-136 |  |  |
| *11.07.* | *10.* | Paints: dyeability of different materials, solvent and water-soluble materials. Modern materials and possibilities of use. Painting as renovation. Mood and colors. | [1] 136-143 |  |  |
| *11.14.* | *11.* | Wall, floor and ceiling materials: traditional and modern materials in interior design. Ways of perception: touch, smell, sight, hearing. | [1] 143-156 |  |  |
| *11.21.* | *12.* | Textiles in interior design: a historical overview. Curtains, tapestries, carpets, special forms of appearance. | [1] 156-165 |  |  |
| *11.28.* | *13.* | 2nd test from the material of the weeks after the first test. |  | 2nd test | Week 13 |
| *12.05.* | *14.* | Written exam on the topics of the entire semester. |  |  |  |

## **assessment and evaluation**

*Neptun: Instruction/Subjects/Subject Details/Syllabus/Examination and Evaluation System)*

##### **Attendance**

According to the regulations of Section 45 (2) of TVSz PTE and Section 3 of Annex No. 9, the student may be denied a grade or qualification for the given subject only due to absence if, in the case of a full-time subject, the sessions provided for in the subject theme more than 30% of them were missing.

***Method for monitoring attendance***

There is an attendance sheet for the classes, which every student must sign. A delay of more than 30 minutes is considered an absence.

##### **assessment**

Course-unit with final examination

***Mid-term assessments, performance evaluation and their weighting as a pre-requisite for taking the final exam***

|  |  |  |
| --- | --- | --- |
| **Type** | **Assessment** | **Weighting as a proportion of the pre-requisite for taking the exam** |
| 1. ***1st test***
 | *max 45 points* | *45 %* |
| 1. ***2nd test***
 | *max 45points* | *45 %* |
| 1. ***Participation in classes and activity***
 | *max 10 points* | *10 %* |
| 1. ***Kahoot! Minutes***
 | *max 10 points* |  |

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

The condition for obtaining the signature is to obtain 40% of the points available during the semester. This does not include Kahoot! Extra points can be earned by playing.

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

It is possible to retake and correct the tests in the first week of the exam period.

***Type of examination:*** *written*

***The exam is successful if the result is minimum 40%.***

***Calculation of the grade*** *(TVSz 47§ (3))*

The mid-term performance accounts for ***50***  % the performance at the exam accounts for  ***50***  % in the calculation of the final grade.

 ***If the average of the two tests reaches 65% during the diligence period, the teacher can offer the students a recommended grade. A student who accepts this grade does not have to take the exam.***

***Calculation of the final grade based on aggregate performance in percentage.***

|  |  |
| --- | --- |
| **Course grade** | **Performance in %** |
| excellent (5) | 85 % … |
| good (4) | 70 % ... 85 % |
| satisfactory (3) | 55 % ... 70 % |
| pass (2) | 40 % ... 55 % |
| fail (1) | below 40 %  |

The lower limit given at each grade belongs to that grade.

## **Specified literature**

*In order of relevance. (In Neptun ES: Instruction/Subject/Subject details/Syllabus/Literature)*

##### **compulsory reading and availability**

[1.] William Rupp with Arnold Friedman: Construction Materials For Interior Design (<https://www.thriftbooks.com/w/construction-materials-for-interior-design-principles-of-structure-and-properties-of-materials_arnold-friedmann_william-rupp/1258349/#edition=1327755&idiq=7718964>)

[2.] Francis DK. Ching: Interior design illustrated, Corky Binggeli, PTE library

[3.] Andrea Deplazes: Constructing Architecture, DARVH ETH, PTE library

##### **recommended literature and availability**

[3.] Neufert, Ernst: Architect’s data https://www.uceb.eu/DATA/CivBook/03. Architect\_s Data.pdf



Pécs, 31st of August. 2023. **Dányi,** Tibor Zoltán PhD assistant professor

 University of Pécs Faculty of Engineering and Information Technology