

# CURRICULUM PARTITION AND REQUIREMENT SYSTEM

Semester 1, Academic Year 2025/26

ÓBUDA UNIVERSITY						
Rejtő Sándor Faculty of Light Industry and Environmental Engineering			Faculty	Product Design		Intitute
English title of the course	Design visualization			Neptun code:	RTWMT1IBNF	
Hungarian title of the course	Megjelenítési technikák			Credit:	4	
Type (mandatory/optional):	Compulsory	Study form:	Full-time	Semester: 7		
Programme:		Industrial Design Engineering				
Course coordinator:	Edit Csanák DLA		Lecturer:	Dr. Orsolya Nagy-Szabó, András Koleszár		
Prerequisites (including code):		CAD/CAM II.				
Weekly classes (lec+gs+lab.):	Lecture:	0	Group seminar:	0	Lab. Practice:	2
Assessment type:		Term mark (tm)	Language of the course:	English	Timing:	Lab: TUE 12.35-14.15 (D.2.205)
Subject Content						
Education goals:						
The purpose of the subject is the acquisition of the technique of design visualization, aided with computer programs, of processing-industrial products. Proportional construction methods of representing the products. Representation of different products in 2 –and 3 dimensional form. Material surfaces, structures and representation of patterns. Plane –and space composition tasks. Computer-aided drawing presentation of product compositions and sketches. Virtual modelling of products and the preparation of their technical documentations. Drawings of products and their environment. Poster design with compositional principles in mind. Creative ways of displaying the interior layout and elements of space. Compilation of complex visual documentation for clothing collections.						
Topics of exercises:						
Week	Topic					Lecturer
1.	Discussion of semester assignments. Overview of the software used for completing the tasks.					Dr. Orsolya Nagy-Szabó, András Koleszár
2.	Measuring a given community space, identifying landscape elements.					Dr. Orsolya Nagy-Szabó, András Koleszár
3.	Displaying multi-storey buildings, stairs, and railings in ArchlineXP software.					Dr. Orsolya Nagy-Szabó, András Koleszár
4.	Displaying spatial forms in ArchlineXP software.					Dr. Orsolya Nagy-Szabó, András Koleszár
5.	Discussion of project execution requirements.					Dr. Orsolya Nagy-Szabó, András Koleszár
6.	Designing the project: defining patterns, colors, shapes, and styles.					Dr. Orsolya Nagy-Szabó, András Koleszár
7.	Creating project visualizations using ArchlineXP software.					Dr. Orsolya Nagy-Szabó, András Koleszár
8.	Submission of project assignment					Dr. Orsolya Nagy-Szabó, András Koleszár
9.	Submission of project plans					Dr. Orsolya Nagy-Szabó, András Koleszár
	Portfolio creation using different software tools.					

10.	Portfolio creation using different software tools.	Dr. Orsolya Nagy-Szabó, András Koleszár
11.	Break	(-)
12.	Editing the project booklet.	Dr. Orsolya Nagy-Szabó, András Koleszár
13.	Evaluation of assignments.	Dr. Orsolya Nagy-Szabó, András Koleszár
14.	Late submission of assignments	Dr. Orsolya Nagy-Szabó, András Koleszár
Mid-term requirements:		
Attendance at lectures and practices/labs		
Attendance at laboratory sessions is mandatory. The maximum number of permitted absences is determined by the Study and Examination Regulations (TÜ), and may not exceed 30% of the total number of hours in the semester. Valid participation in the lab sessions requires punctual arrival (a delay of no more than 10 minutes after the scheduled start time) and presence until the end of the session. If the delay exceeds 10 minutes, participation in the lab session is not allowed, and the session will be recorded as an absence.		
Tests, minutes, reports, essays, etc.		
9th week	Submission of project plans	
13th week	Submission of portfolio	
Method of obtaining a signature/mid-term mark		
To obtain a mid-semester grade, students must successfully complete multi storage building with interior design and the portfolio at an appropriate level (all assignments must reach at least a satisfactory level). To achieve a satisfactory final examination grade, at least 50% of the maximum score must be obtained. Assignments submitted after the deadline will only be accepted with a late fee, and no later than one week following the original deadline. The mid-semester grade will be calculated as follows: Arch-line task is 600%, portfolio assignments 40%. An unsatisfactory mid-semester grade may be improved in accordance with the provisions of the OU Study and examination regulations.		
Professional competencies:		
– Knowledge of basic construction designs and their dimensioning basics. – Able to design the form and construction of relatively simple products by taking into account the limits of production technology, the costs expected, and impacts on the environment. – Able to perform the virtual modelling of product concepts and products using 3D computer-aided design systems as well as to produce their technical documentation. – Able to give reasons for the decisions related to the product designed, as well as to test them and support them by technical and standard investigation methods.		
Literature:		
1.CAD books: <a href="https://www.archline.hu/">https://www.archline.hu/</a> 2. <a href="https://elearning.uni-obuda.hu/">https://elearning.uni-obuda.hu/</a> electronic notes and aids prepared by the instructor		