

Name of subject: Design visualization	NEPTUN-code: RTWMT1FBNE	Number of hours: <i>lec+gs+lab</i> 0+0+2	Credit: 2 Requirements: practice mark
Course coordinator: Edit Csanák DLA	Title: associate professor	Előkövetelmény: CAD/CAM I.	
Subject content:			
<p>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.</p> <p>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.</p>			
Competences to be mastered:			
<p>a) knowledge</p> <ul style="list-style-type: none"> - Knowledge of the fundamental methods, rules and standards of ergonomics and psychology as required for industrial product design. <p>b) capabilities</p> <ul style="list-style-type: none"> - Able to present graphical product concepts and sketches using traditional manual techniques. - 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 produce, examine and test real models and prototypes using direct digital production technologies based on both traditional and 3D product models. 			
Bibliography:			
1. CAD rendszerek felhasználói kézikönyvei			
2. https://elearning.uni-obuda.hu/ electronic notes and aids prepared by the instructor			