

<b>Name of subject:</b> <b>Form design I.</b>	<b>NEPTUN-code:</b> RTXFO1BBNE	<b>Number of hours:</b> <i>lec+gs+lab</i> 0+0+3	<b>Credit: 3</b> <b>Requirements:</b> practice mark
<b>Course coordinator:</b> Dóra Papp-Vid DLA	<b>Title:</b> assistant lecturer	<b>Prerequisite:</b> Freehand drawing I.	
<b>Subject content:</b>			
<p>Establishing the creative design approach necessary for the design of industrial products, the interpretation of the concept of design from the designer's point of view.</p> <p>Knowledge of the qualities of different types of trade-specific materials and experimentation with their shape forming possibilities.</p> <p>Innovative experiments of creating spatial forms.</p> <p>Module structures, connection regularities. The ratio systems, size and material qualities as well as further development possibilities of leather, paper, plastic and textile spatial structures.</p> <p>Functionality and visualisation.</p>			
<b>Competences to be mastered:</b>			
<p>a) knowledge</p> <ul style="list-style-type: none"> <li>- Knowledge of basic design principles and methods, as well as major production technology procedures and operating processes.</li> <li>- Knowledge of the most important basic materials applied in the special area of product design, their production and their application criteria.</li> <li>- Knowledge of basic construction designs and their dimensioning basics.</li> <li>- Knowledge of the fundamental rules and technological limitations of shaping products, of striking a harmony between content and form.</li> </ul> <p>b) capabilities</p> <ul style="list-style-type: none"> <li>- 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.</li> <li>- Able to transplant solutions evolved in nature into technical practice.</li> </ul> <p>c) attitude</p> <ul style="list-style-type: none"> <li>- Efforts to make self-education in the special area of industrial product design a continuous process in line with professional objectives.</li> </ul>			
<b>Bibliography:</b>			
1. Slézia József: Design évkönyv 1/2/3. Bp. Designtrend Kft., 2008, 2009, 2010			
2. Zalavári József: A forma tervezése, designökológia. Bp. Scolar kiadó, 2008.			
3. Bhaskaran, Lakshmi: A forma művészete. BP. Scolar kiadó, 2007			
4. Fiell, Charlotte and Peter: Design kézikönyv. Taschen/Vince kiadók, 2007.			
5. <a href="https://elearning.uni-obuda.hu/">https://elearning.uni-obuda.hu/</a> electronic notes and aids prepared by the instructor			