

Name of subject: Discriptive geometry	NEPTUN-code: RTXAG1BBNE	Number of hours: <i>lec+gs+lab</i> 1+0+2	Credit: 3 Requirements: practice mark
Course coordinator: Gabriella Oroszlány PhD	Title: assistant lecturer	Prerequisite: -	
Subject content:			
<p>Knowledge of the essential technical –and design principles, methods and relationships: basic concepts of the plan and the space geometry. Modes of representation: 1 Perspective 2 Axonometry. Monge’s multi-view representation. Representation of polyhedra, intersecting a polyhedron with a line or planes, intersection. Representation of solids of revolution, their intersection with a line, with planes, intersection. Image plane transformation, rotation, surface development. Application of computer-aided graphic systems for the display of the constructions.</p>			
Competences to be mastered:			
<p>a) knowledge - Knowledge of general and specific mathematical and natural scientific principles, rules, relations, and procedures as required to pursue activities in the special field of product design.</p> <p>b) capabilities - 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.</p>			
Bibliography:			
1. Dr. Szunyogh G.: <i>Ábrázoló geometriai szerkesztések – OE - BGK - Elektronikus Jegyzet</i>			
2. Bársony I.: <i>Műszaki ábrázoló geometria</i> . Szega Books Kft. Pécs 2008			
3. Fóris T.: <i>A műszaki rajz alapjai</i> . Síkmértan 2006			
4. https://elearning.uni-obuda.hu/ electronic notes and aids prepared by the instructor			