

Title of the course: Technical drawing and documentation	NEPTUN-code: RKXMR1EBNE	Weekly teaching hours: <i>lecture+practical work+lab work</i> 1+0+2	Credit: 4 Exam type: tm
Course leader: Rita Kendrovics-Boda, Dr.	Position: associate professor	Required preliminary knowledge (with code too): -	
Curriculum:			
<p>The aim of this course is to provide an introduction to drawing fundamentals and to develop drawing skills of students. The first part of the course covers such topics as layout of Technical Drawings, line styles, lettering, scale, geometric construction, transformation, projection (orthographic projection, central or perspective projection, oblique projection), axonometric view (isometric, diametric, Cavalier etc.). The second part of the course focuses on topics as follows: sketching, dimensioning, sectioning, fits and tolerances, surfaces roughness, symbolical representation, detail and assembly drawing.</p>			
Professional competencies:			
<p>In possession of state-of-the-art IT skills, being able to use professional databases and certain design, modelling, and simulation software depending on their specialty. Adequate perseverance and endurance of monotony to perform practical operations. Able to cooperate with engineers involved in the development and application of production and other technologies to develop the given technology in terms of environment protection. Able to participate creatively in engineering work based on their multidisciplinary skills, as well as to adapt to continuously changing circumstances.</p>			
Literature			
Coli H.Simmons, Dennis E. Maguire: Manual of Engineering drawing in e-learning system			
David Anderson: Technical drawing, Spring, 2006			