

Name of subject: Technical drawing and documentation	NEPTUN-code: RKXMR1EBNE	Number of hours: <i>lec+gs+lab</i> 1+0+2	Credit: 4 Requirements: practice mark
Course coordinator: Bodne Kendrovics Rita PhD	Title: associate professor	Prerequisite: -	
Course Description			
<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 (ortographic 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>			
Competences to be mastered:			
<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. 			
Bibliography:			
1. Coli H.Simmons, Dennis E. Maguire: Manual of Engineering drawing in e-learning system			
2. David Anderson: Technical drawing, Spring, 2006			