

Name of subject: CAD/CAM I.	NEPTUN-code: RTXCC1EBNE	Number of hours: <i>lec+gs+lab</i> 0+0+3	Credit: 4 Requirements: practice mark
Course coordinator: Eszter Kormány PhD	Title: associate professor	Prerequisite: Informatics I.	
Subject content:			
<p>Computer aided design. The partial technologies comprising CAD. The system of computer-aided technologies, the position of CAD/CAM. The hardware and software requirements of computer design environment. Graphics with Illustrator and Photoshop. Computer modelling: the shape model, curve, surface and body modelling procedures. The role of realistic display in technical design systems.</p> <p>Interoperability between different systems. Standard data exchange formats. The data formats necessary for production. Solution of tasks from conceptual modelling to tool making.</p> <p>The role of realistic display in technical design systems.</p> <p>The basic knowledge of the graphic design of composition tasks and visual image elements.</p>			
Bibliography:			
<ol style="list-style-type: none"> 1. Kepes György: A látás nyelve. Gondola (1979) 2. Monoly-Nagy László: Látás mozgásban, Műcsarnok Intermédia (1996) 3. Adobe® Photoshop® és Illustrator® programok 			