

<b>Title of the course:</b> <b>DIGITAL PRINTING TECHNOLOGIES</b>		<b>NEPTUN-code:</b> <b>RMKDT1ABNF</b>	<b>Weekly teaching</b> <b>hours: 2+0+0</b>	<b>Credit: 2</b> <b>Exam type: oral</b>
<b>Course leader:</b> <b>Piroska Prokai</b>		<b>Position:</b> <b>masterteacher</b>	<b>Required preliminary knowledge:</b> <b>English language exam</b>	
<b>Curriculum:</b>				
In the lecture, students can learn about different digital printing technologies.				
<b>Curriculum Description:</b>				
<i>Topics of lectures and practices:</i>				
Week of Semester	Topic			
1.	Beginning of the project work, student introduction			
2.	Properties of digital prining technologies Digital image (vector, bitmap)			
3.	Electrophotographic printing (principle, machenirey & materials)			
4.	Inkjet printing (principle, machinery & materials, different kind of inks – extra assignment)			
5.	Inkjet printing (principle, machinery & materials, different kind of inks – extra assignment)			
6.	Inkjet printing (principle, machinery & materials, different kind of inks – extra assignment)			
7.	Other digital printning technologies (Ionography)			
8.	Other digital printning technologies (Magnetography)			
9.	Other digital printning technologies (Thermography)			
10.	Other digital printning technologies (Elcography)			
11.	Textile, 3D printing			
12.	Written test on the computer lab			
13.	Student presentations about their project work, workshop			
14.	Evalution of the semester			
<b>Mid-semester requirements:</b>				
<i>Attendance:</i>				
It is mandatory to write an online test every week at the scheduled time.				
<i>Test papers, measurement records, reports, etc. (number, date)</i>				
The half-year mark is conditional on the participation in the sessions and the writing of the at least sufficient (at least 40%) level and the preparation of the semester's tasks at a sufficient level. During the semester, it is mandatory to write 9 online tests, which are linked to the individual study materials. It is possible to write the tests once during the class.				
<i>Methods of qualification:</i>				
In the lecture, students can learn about different digital printing technologies.				

<b><i>Professional competencies:</i></b>
<b><i>Literature:</i></b>
<ol style="list-style-type: none"><li>1. <a href="https://elearning.uni-obuda.hu/">https://elearning.uni-obuda.hu/</a> electronic textbook and other materials prepared by the instructor</li><li>2. <a href="https://www.xerox.com/en-us/digital-printing/insights/what-is-digital-printing">https://www.xerox.com/en-us/digital-printing/insights/what-is-digital-printing</a></li><li>3. Piroška Prokai, Tibor Fehér: INVESTIGATION OF THE RHEOLOGY OF PRINTING INKS USED IN WATERLESS OFFSET PRINTING TECHNOLOGY, International Conference on Printing, Design and Graphic Communication Blaž Baromić, Zagreb 8/562025.</li><li>4. <a href="https://www.xerox.com/en-us/digital-printing/insights/what-is-digital-printing">https://www.xerox.com/en-us/digital-printing/insights/what-is-digital-printing</a></li><li>5. Presentations in the moodle system</li></ol>