<table>
<tr><td>Course code</td><td></td></tr>
<tr><td>Type and description</td><td>EC – Elective Course</td></tr>
<tr><td>ECTS credit</td><td>1</td></tr>
<tr><td>Course name</td><td>Development trends in designing and technology of textile products</td></tr>
<tr><td>Course name in Polish</td><td>Tendencje rozwojowe w projektowaniu i technologii wyrobów włókienniczych</td></tr>
<tr><td>Language of instruction</td><td>English</td></tr>
<tr><td>Course level</td><td>8 PRK</td></tr>
<tr><td>Course coordinator</td><td>Prof. dr hab. inż. Iwona Frydrych</td></tr>
<tr><td>Course instructors</td><td>Prof. dr hab. inż. Iwona Frydrych, dr inż. Justyna Pinkos</td></tr>
<tr><td>Delivery methods and course duration</td><td>
<table>
<tr><th></th><th>Lecture</th><th>Tutorials</th><th>Laboratory</th><th>Project</th><th>Seminar</th><th>Other</th><th>Total of teaching hours during semester</th></tr>
<tr><td>Contact hours</td><td>0</td><td>0</td><td>0</td><td>15</td><td>0</td><td>0</td><td>15</td></tr>
<tr><td>E-learning</td><td>no</td><td>no</td><td>no</td><td>no</td><td>no</td><td>no</td><td>no</td></tr>
<tr><td>Assessment criteria (weightage)</td><td>0</td><td>0</td><td>0</td><td>100%</td><td>0</td><td>0</td><td>100%</td></tr>
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<tr><td>Course objective</td><td>1. The aim of course is enabling of gathering knowledge on designing and technology of made-up products by welding of materials.

2. The aim of course is getting the practical ability of using the ultrasonic welding machine.

3. The aim of course is getting the ability of work in the small team.</td></tr>
<tr><td>Learning outcomes</td><td>After finishing the course the Ph.D. student can:

1. Design made-up products.

2. Use the ultrasonic welding machine.

3. Cooperate in the team.

4. Assess the quality of welded seam .

W4, U4, K1</td></tr>
<tr><td>Assessment methods</td><td>Assessment methods of learning outcomes

Project presentation.

The total grade is:

The result from project presentation - 100%</td></tr>
<tr><td>Prerequisites</td><td>Basic information on making up textiles</td></tr>
<tr><td>Course content with delivery methods</td><td>Course content

Information on designing, making up and asessement of quality of made up products by the welding technology. Information on raw materials, to which the given technology can be applied. Information</td></tr>
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	on the acting principle of ultrasonic welding machine and using its control panel. Quality of welded seam and methods of its assessment. Organoleptic assessment of aesthetics of made-up product.
Basic reference materials	Lack
Other reference materials	Papers on ultrasonic welding
Average student workload outside classroom	15 h
Comments	
Last update	March 2023