

Course code																																	
Type and description	EC- Elective Course																																
ECTS credit	1																																
Course name	Advanced specialized clothing																																
Course name in Polish	Zaawansowana odzież specjalistyczna																																
Language of instruction	English																																
Course level	8 PRK																																
Course coordinator	Małgorzata Matusiak, Ph.D., D.Sc,																																
Course instructors	Małgorzata Matusiak, Ph.D., D.Sc,																																
Delivery methods and course duration	<table border="1"> <thead> <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> </thead> <tbody> <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></td> </tr> <tr> <td>Assessment criteria (weightage)</td> <td>0,00</td> <td></td> <td></td> <td>100</td> <td></td> <td>0,00</td> <td>100</td> </tr> </tbody> </table>		Lecture	Tutorials	Laboratory	Project	Seminar	Other	Total of teaching hours during semester	Contact hours	0	0	0	15	0	0	15	E-learning	No	No	No	No	No	No		Assessment criteria (weightage)	0,00			100		0,00	100
	Lecture	Tutorials	Laboratory	Project	Seminar	Other	Total of teaching hours during semester																										
Contact hours	0	0	0	15	0	0	15																										
E-learning	No	No	No	No	No	No																											
Assessment criteria (weightage)	0,00			100		0,00	100																										
Course objective	<p>The objective of the course:</p> <ol style="list-style-type: none"> The aim of the course is to enable students to acquire knowledge in the field of material, functional and constructional structure of technically advanced specialist clothing The aim of the course is to enable students to acquire knowledge in the field of functionalisation methods of advanced specialist clothing The aim of the course is to enable students to acquire knowledge in the field of assessment of utility and functional properties of advanced specialist clothing 																																
Learning outcomes	<p>A PhD student after completing the course can:</p> <ol style="list-style-type: none"> identify the material and functional structure and the construction of technically advanced specialist clothing define the methods of functionalisation of the specialist clothing identify the requirements for particular types of advanced specialist clothing and methods for verification of functional properties of advanced specialist clothing <p>W4, U4, K1</p>																																
Assessment methods	<p>Verification methods of learning outcomes</p> <p>Learning outcomes - written exam</p> <p>The final grade consists of:</p> <p>The result of the written exam - 80%A</p> <p>ctivity during classes - 20%</p>																																
Prerequisites	any																																
Course content with delivery methods	<p>Project</p> <ol style="list-style-type: none"> Functions of clothing, multi-functional clothing, advanced features of specialist clothing Categories of specialist clothing Normative requirements for selected assortments of advanced specialist clothing. Standards, EU directives, other legal regulations Methods of functionalisation of advanced specialist clothing Material and functional structure of selected categories of advanced specialist clothing The unique design of selected assortments of advanced specialist clothing. Case study Methodology for testing the functional properties of particular categories of specialist clothing. Interpretation of the results of testing the functional properties of advanced specialist clothing. Development trends in the area of advanced specialist clothing. 																																
Basic reference materials	<ol style="list-style-type: none"> Lecturer's material - presentation at Power Point Więźlak W., Elmrych-Bocheńska J., Zielinski J, Clothing. Construction, ownership and production, Scientific Publisher of the Institute for Sustainable Technologies (in Polish) - PIB, Łódź 2009 																																
Other reference materials	<ol style="list-style-type: none"> Advances in apparel production, edited by Fairhurst K., Woodhead Publishing in Textiles, The Textile Institute 2006. Clothing Biosensory engineering, edited by Li, Wong, Woodhead Publishing in Textiles, The Textile Institute 2006. Functional textiles for improved performance, protection and health, edited by Pan, Sun, Woodhead Publishing in Textiles, The Textile Institute 20011. 																																
Average student workload outside classroom	15h																																
Comments																																	
Last update	March 2023																																

