

Course code																																	
Type and description	EC Elective Course																																
ECTS credit	1																																
Course name	Chosen problems of clothing technology																																
Course name in Polish	Wybrane zagadnienia z odzieżownictwa																																
Language of instruction	English																																
Course level	8 PRK																																
Course coordinator	Iwona Frydrych, Ph.D, D.Sc.,Prof.																																
Course instructors	Iwona Frydrych, Ph.D, D.Sc.,Prof., 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
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Course objective	<p>Course objectives:</p> <ol style="list-style-type: none"> 1. The aim of course is enabling of get or extend knowledge in the field of clothing technology. 2. To get acquainted with a modern methods of assessment of biophysical properties. 3. To extend knowledge on comfort of the human being in the clothing. 																																
Learning outcomes	<p>After finishing the course the student can:</p> <ol style="list-style-type: none"> 1. to characterize thermos-physiological processes taking part during the clothing use 2. to describe the basic parameters of comfort in the clothing 3. To know methods of assessment of the utility comfort parameters, and especially – parameters of physiological comfort. <p>W4, U4, K1</p>																																
Assessment methods	<p>Methods of verification of learning effects: effects – written exam,</p> <p>The final assessment consists of: The result of written exam - 100%</p>																																
Prerequisites																																	
Course content with delivery methods	<p>Treści kształcenia z podziałem na formy</p> <p>Project</p> <ol style="list-style-type: none"> 1. Parameters of physiological comfort and measurement methods, 2. Comfort in the underclothing layer – measurement on the human being, 3. Modelling the thermo-physiological comfort. 4. Clothing protecting against the ultraviolet radiation 5. Thermal behavior of nonwovens with PCM microcapsules. 6. Sewing machines of newgeneration. 7. Assessment of ergonomic properties of protective clothing. 																																
Basic reference materials	<p>Materias for lecturer,</p> <ol style="list-style-type: none"> 1. Więźlak Wł., Bocheńska J., Zieliński J., Odzież- budowa, własności i produkcja, Instytut Technologii Eksploatacji, Radom 2009. 2. Matusiak M., Ciepłochronność wyrobów odzieżowych, Prace Instytutu Włókiennictwa, Wydanie specjalne, Łódź 2011. 3. Frydrych I., Cichocka, Gilewicz P., Dominiak J., Thermal Manikin Measurement of Protective Clothing Assemblies, <i>Fibres & Textiles In Eastern Europe</i>, 26, 1(27), (2018), str.126-133 																																
Other reference materials	<ol style="list-style-type: none"> 1. Frydrych I., Dziworska g., Biłska J., Comparative analysis of the thermal insulation properties of fabrics made of natural and man-made cellulose fibres, <i>Fibres & Textiles In Odzież, rękawice i obuwie chroniące przed czynnikami gorącymi</i>, Cz.1. Poradnik doboru i stosowania (dla użytkownika), cz.2. Wytyczne do oceny zgodności (dla producenta), CIOP-PIB, Warszawa 2010<i>Eastern Europe</i>, No 10/11 (2002). 2. Odzież, rękawice i obuwie chroniące przed czynnikami gorącymi, Cz.1. Poradnik doboru i stosowania (dla użytkownika), cz.2. Wytyczne do oceny zgodności (dla producenta), CIOP-PIB, Warszawa 2010 																																
Average student workload outside classroom	15h																																

Comments	
Last update	March 2023