

Name of subject: Knowledge of textiles and construction	NEPTUN-code: RTXAK1EBNE	Number of hours: lec+gs+lab 2+0+2	Credit: 4 Requirements: practice mark
Course coordinator: Judit Borsa PhD	Title: professor	Course coordinator: Technology of specialization I.	
Subject content:			
<p>General characteristics and properties of raw materials used in the textile industry. Types of textiles, traditional and modern materials. The most common types and uses of woven, knitted and nonwoven fabrics Functional and intelligent textiles. Textile testings. Technical data, main characteristics and measurement of linear textiles, fabrics and knitted and crocheted fabrics. Investigation of the behavior of textiles against various stresses during use. Basic knowledge of architecture, properties of materials used in buildings and their applications. Coverings, doors and windows, etc. Basics of building engineering. Dimensions / types / specifications of household and home equipments, lamps, lighting fixtures. Requirements for placement of interior materials (wall and floor tiles, parquet, wallpaper, etc.) and determination of quantity required. Size research, size charts, size standards. The proportions of the human body in terms of clothing design. Body features and their effect on dress designs. Design solutions for various interior and clothing products. Modeling rules. Modeling methods for different component types. Mock-up and innovative experiments for the project task.</p>			
Competences to be mastered:			
<p>a) knowledge - Knowledge of basic construction designs and their dimensioning basics. - Knowledge of the most important practical work techniques of their special field.</p> <p>b) capabilities - Able to design the form and construction of relatively simple products by taking into account the limits of production technology, the costs expected, and impacts on the environment. - Able to master new knowledge by solving practical problems empirically.</p> <p>c) attitude - Motivated to familiarize with the latest development trends, solutions and innovations in their special field.</p>			
Bibliography:			
1. Korona Péterné: Bőrtermékek és az öltözködés bőr kiegészítői. OE RKK 6064 elektronikus jegyzet, 2015			
2. Dr. Hottó Éva, Dr. habil Kisfaludy Márta, Szűcs Ágnes: Bevezetés az öltözködéstervezésbe II. OE RKK 6052, elektronikus jegyzet, 2014.			
3. Dán Zoltán - Déri Ágostonné: Gyártmánytervezés I. Bp.KMF 1998.			
4. Benkő Istvánné, Deákfalvi Sarolta: Nőiruha-készítő szakrajz I. Műszaki Könyvkiadó, Bp. 2000.			
5. Ábrahámné, Benkőné, Kun Andrásné: Női szabás-szakrajz I. Göttinger kiadó1998.			
6. Benkő I.-né, Hodován J., Kun Andrásné: Ruhaiipari szabás-szakrajz, MDI-Göttinger Kiadó, 1996.			

1. Fischer, Horst – Uhling, Kurt Jeni: Belsőépítészet. Sziget kiadó, Bp. 2002
2. Weiss, Ulrich: A fürdőszoba beépítése. Magyar Könyvklub, Bp. 2000
3. Medveczkyné P.B., Dr. Szücs I., Szabó R. Pataki M., Dr. Kokasné P.L., Sinkáné Dr. Király A.: Könnyűipari enciklopédia I/3. Textilipari technológiák. BMF-RKK-6000/III. Bp. 2002.
4. Fenyvesi Éva: Újszerű textilipari és műszaki szálanyagok. Magyar Textiltechnika 1994. évi különszáma
6. TMTE szakmai kiadványai
8. Rundschau szaklapok
5. https://elearning.uni-obuda.hu/ electronic notes and aids prepared by the instructor