

<b>Study Programme:</b> Clothing engineering		
<b>Course Unit Title:</b> Examination and control of textile materials		
<b>Course Unit Code:</b> DAS020		
<b>Name of Lecturer(s):</b> Assistant professor Marija Pešić, PhD		
<b>Type and Level of Studies:</b> Academic and general education		
<b>Course Status (compulsory/elective):</b> Compulsory		
<b>Semester (winter/summer):</b> Summer		
<b>Language of instruction:</b> English		
<b>Mode of course unit delivery (face-to-face/distance learning):</b> Face-to-face		
<b>Number of ECTS Allocated:</b> 5		
<b>Prerequisites:</b>		
<b>Course Aims:</b> Acquiring knowledge about standard methods used in testing and controlling textile materials		
<b>Learning Outcomes:</b> Students are trained to apply modern methods in the examination and control of textile materials		
<b>Syllabus:</b> <i>Theory:</i> Fundamentals of Measurement and Testing: Measurement, physical quantities and units, measurement errors, unreliability of measured results, causes and expression. Preparation for Testing: Testing environment - standard atmosphere, preparation and control. Methods for Sample Formation: Conditioning samples to a standard state. Moisture Measurement in Textile Materials. Testing of Fibrous Material: Fiber length and measurement methods. Testing of Fibrous Material: Diameter, fineness, and crimp. Testing of Fibrous Material - Breaking Characteristics. Testing of Slivers and Roving: Structural characteristics of yarns. Methods for determining yarn fineness and twist. Mechanical and deformation characteristics of yarns. Yarn unevenness. Fundamentals of Measurement and Testing of Flat Textile Materials: Testing methods. Processing and presentation of test results.  <i>Practice:</i> Through exercises, students process specific examples of testing textile materials.		
<b>Required Reading:</b> <ol style="list-style-type: none"> <li>1. D.Radivojević, M. Đorđević, D. Trajković; Examination of textiles Faculty of Technology, University of Niš, Leskovac; 2015</li> <li>2. R. Čunko; Examination of textiles TF Zagreb; 1995</li> <li>3. M. Žišić, V. Mitić; Testing of textiles HTS, Leskovac; 1981</li> <li>4. T. Mihajlidi, S. Milosavljević; Examination of textiles - a collection of tasks from elements of statistics; Technological-metallurgical faculty, Belgrade; 1994</li> <li>5. V. Čepujnoska, S. Kortoševa; Physical and mechanical properties of textiles materials - a collection of solved and control tasks; University "Kiril and Methodius", Technological faculty, Skopje; 1982</li> </ol>		
<b>Weekly Contact Hours:</b> 4	<b>Lectures:</b> 2	<b>Practical work:</b> 2
<b>Teaching Methods:</b> Monological - dialogic method.		

<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Active class participation	10	written exam	20
Practical work		oral exam	20
Preliminary exam(s)	20	.....	
Seminar(s)	30		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			