

No. 14

Course syllabus for Second cycle studies					
1.	Course title	Woven fabrics			
2.	Code	CDE4M2			
3.	Study Program	Clothing design and engineering			
4.	Study program organizer (unit, institute, department, division)	Faculty of Technology and Metallurgy, Institute of textile engineering			
5.	Degree (first, second, third cycle)	First cycle			
6.	Academic year / semester	2 year 4 semester	7.	Number of ECTS	6
8.	Instructors	Prof. Dr. Elena Tomovska			
9.	Prerequisites for course enrollment	-			
10.	Objectives of the course syllabus (competences): Students should gain understanding of the mechanical, geometric and sensory characteristics of woven fabrics, as well as weaving preparation and weaving processes. Acquired skills (competences): Technical skills related to the production and utilization of woven fabrics and basic woven fabrics design.				
11.	Content of the course: Introduction to woven fabrics, Woven fabric behavior under mechanical stress, Woven fabric structure, Influence of woven fabric structure and geometry on sensory properties, Technical introduction to weaving, Weaving preparation processes (winding, warping, sizing, loom preparation), Weaving (shedding, picking, beating-up, warp let of, fabric take up, additional loom mechanisms)				
12.	Study methods: lectures, practical lessons, factory visit, discussion, team work, projects, home work				
13.	Total available time	150			
14.	Allocation of available time	75+75			

15.	Teaching activities		15.1.	Lectures	45	
			15.2.	Practicals	30	
16.	Other types of activities		16.1.			
			16.2.	Individual assignments	10	
			16.3.	Homework	65	
17.	Grading system					
	17.1.	Final exam			80	
	17.2.	Project			10	
	17.3.	In class participation and activity			10	
18.	Grading criteria (points/grade)	Up to 61 points			5 (five) (F)	
		From 61 to 69 points			6 (six) (E)	
		From 70 to 79 points			7 (seven) (D)	
		from 80 to 89 points			8 (eight) (S)	
		From 90 to 95 points			9 (nine) (B)	
		from 95 to 100 points			10 (ten) (A)	
19.	Prerequisites for taking the final exam		Minimum 15 points from 17.2 and 17.3			
20.	Language in which lectures are conducted		English			
21.	Method for monitoring the quality of lectures		Survey			
22.	LITERATURE					
	22.1.	Compulsory literature				
		No.	Author	Title	Publisher	Year
		1.	Tomovska Elena	Woven fabric design	Teaching materials, TMF	2018
		2.				
		3.				
	22.2.	Additional literature				
		No.	Author	Title	Publisher	Year
		1.	Zafirova Koleta	Computer integrated fabric design	Prepared teaching materials	2002
		2.				
3.						