

No. 15

07.15

Course syllabus for first cycle studies					
1.	Course title	Knitted fabrics			
2.	Code	CDEM4M3			
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 theoretical and practical knowledge of the fabrication, structure and properties of knitted fabrics and knitted fabric design by the basic structural parameters. Acquired skills (competences): Technical skills related to the production and utilization of knitted fabrics and basic knitted fabrics design.				
11.	Content of the course: Introduction to knitted fabrics and knitting. Yarns and preparation for knitting. Knitted fabric structure and parameters. Types of knitted fabrics. Knitting machines and their principle of work, mechanisms of knitting machines, basic functional elements for loop creation. Weft and warp knitting. Application of knitted fabrics.				
12.	Study methods: lectures, practical lessons, factory visit, discussion, team work, projects, home work				
13.	Total available time		180		
14.	Allocation of available time		90+90		

15.	Teaching activities		15.1.	Lectures	45	
			15.2.	Practicals	30	
16.	Other types of activities		16.1.	Projects		
			16.2.	Individual assignments	10	
			16.3.	Homework	95	
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.	Spencer D.	Knitting technology	WoodheadPublishingLimited,Cambridge,U K	2001
		2.				
		3.				
	22.2.	Additional literature				
		No.	Author	Title	Publisher	Year
		1.	Au, K.F	Advances in knitting technology	WoodheadPublishingLimited,Cambridge,U K	2011
		2.				
3.						