

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
		1.	Spencer D.	Knitting technology
		2.		
		3.		
	22.2.	Additional literature		
		No.	Author	Title
		1.	Au, K.F	Advances in knitting technology
		2.		
		3.		