

MAHATMA GANDHI UNIVERSITY

Kottayam, Kerala

Undergraduate Programmes (HONOURS) 2024 Admission Onwards

			SYLLABUS						
		SIGN	ATURE COURSE						
Name of the College	St. Antony's Colleg	St. Antony's College,Peruvanthanam,Peerumade,Idukki							
Faculty/ Discipline	Textiles								
Programme	-								
Course Coordinator	Christy Jose								
Contributors	Juliya Sabu								
Course Name	TEXTILE PROCESSE	TEXTILE PROCESSES							
Type of Course	VAC								
Specialization title	This Signature Course does not have a specialization.								
Course Code	MG3VACTXLA00								
Course Level	200								
Course Summary	This course offers s liquid chemicals ar finishing—focusing	d dyes to text	iles. It explores a	Il phases of wet pro	ocessing—from p				
Semester	3	Credits			3	T			
Course Details	Learning	Lecture	Tutorial	Practical	Others	Total Hours			
	Approach	3	0	0	0	45			
Pre-requisites, if any	Nil								

Course Outcomes (CO)

MGU-UGP (HONOURS)

	Number of COs	5			
CO No.	Expected Course Outcome	Learning Domains *	PO No		
1	Distinguish between preparatory and aesthetic textile finishes.	U	PO4, PO6, PO10		
2	Describe various types of functional finishes and their applications.	U	PO4, PO6, PO10		
3	Outline the dyeing process and explain its different stages.	U	PO4, PO6, PO10		
4	Explain the methods of printing and classify their types.	U	PO4, PO6, PO10		
5	Develop a detailed project report based on the observations from the industrial visit.	А	PO4, PO6, PO7, PO10		

*Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)

CO-PO Articulation Matrix

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10
CO 1	-	-	-	2	-	2	-	-	-	3
CO 2	-	-	-	2	-	2	-	-	-	3
CO 3	-	-	-	2	-	2	-	-	-	3
CO 4	-	-	-	2	-	2	-	-	-	3
CO 5	-	-	-	2	-	2	1	-	-	3

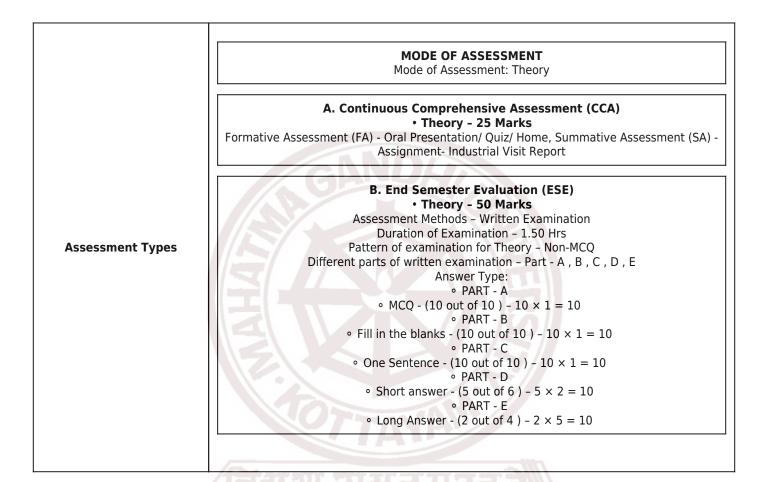
'0' is No Correlation, '1' is Slight Correlation (Low level), '2' is Moderate Correlation (Medium level) and '3' is Substantial Correlation (High level).

Course Content

Content for Classroom transaction (Units)

Module	Units	Course Description				
	Fabric Finishes Introduction					
1	1.1	Initial Preparation Techniques: From Sizing to Bleaching.	3	["1"]		
	1.2	Visual Finishes: Enhancing Appearance: Mercerization, Calendaring, Tentering, Flocking, Shearing and Napping.	4	["1"]		
	1.3	Performance- enhancing Finishes: Durable Press, Water Repellent, Water Proof Finish, Flame- Retardant Finish, Stain Resistant, and Shrink Resistant Finish.	3	["2"]		
	Dyeing					
2	2.1	Types of Dyes: Natural and Synthetic Dyes. Acid, Basic, Direct, Sulphur, Vat, Naphthol, Disperse and Reactive Dyes.	7	["3"]		
	2.2	Modes of Dyeing : Fibre Dyeing : Stock Dyeing, Top Dyeing and Dope Dyeing. Yarn Dyeing : Encompasses Skein and Package Dyeing. Fabric Dyeing : Winch, Jet, Beam, Jig, Cross, Union, Batch and Pad Dyeing Techniques. Product Dyeing : Dip Dyeing and Tumble Dyeing.	8	["3"]		
	2.3	Textile Printing Methods: Block, Discharge, Duplex, Screen, Roller and Rotary Printing.	5	["4"]		
	Industrial Visit					
3	3.1	Visit a textile industry in groups to understand finishing, dyeing, and printing operations. A detailed group report must be submitted based on the observations made during the visit.	15	["5"]		

1,2 Lecture 3 Industrial Visit



References

 1. Corbman, B.P. (1983). Textiles: Fiber to Fabrics. Mcgraw-Hill. 2. Kogent Learning Solution Inc. (2010). Comdex Fashion design, Vol 1, Fashion Concepts. 3. Joseph, M.L (1988). Essentials of textiles. Holt, Rinehart, And Winston. 4. Jede, J. (1992). Encyclopedia of Textiles.

Suggested Readings

• 1. Kadolph,S.J and Marcketti, S.B.(2017). Textiles. Pearson. 2. Hargrave, H.(1997). From Fiber to Fabric. C and T publishing Inc



We, St. Antony's College, Peruvanthanam, Peerumade, Idukki and Christy Jose, declare that no part of this signature course submitted here for approval has been taken from the course content developed by, or from any of the course titles prepared by, the BoS/expert committee in the same discipline under our University.