

	<p style="text-align: center;">MAHATMA GANDHI UNIVERSITY Kottayam, Kerala</p> <p style="text-align: center;">Undergraduate Programmes (HONOURS) 2024 Admission Onwards</p>
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SYLLABUS					
SIGNATURE COURSE					
Name of the College	Yeldo Mar Baselios College, Kothamangalam				
Faculty/ Discipline	Textiles				
Programme	-				
Course Coordinator	Nimisha Devasia				
Contributors	Mr.Andrew Samuel, Ms. Sruthy Mohan				
Course Name	TEXTILE PROCESSING FOR SUSTAINABILITY				
Type of Course	VAC				
Specialization title	This Signature Course does not have a specialization.				
Course Code	MG3VACTXLA04				
Course Level	200				
Course Summary	This course focuses on Eco-friendly textile processing techniques and Sustainable dyeing & finishing methods.				
Semester	3	Credits			Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others
		3			45
Pre-requisites, if any					

Course Outcomes (CO)

Number of COs			4	
CO No.	Expected Course Outcome	Learning Domains *	PO No	
1	Understand the concept of sustainability and explore innovative sustainable processing methods.	U	PO6, PO7, PO10	
2	Summarize dyeing and its stages.	U	PO6, PO10	
3	Describe printing and its types.	U	PO6, PO10	
4	Prepare an article and submit a project report based sustainable fashion.	A	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	-	-	-	-	-	3	2	-	-	3

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10
CO 2	-	-	-	-	-	2	-	-	-	2
CO 3	-	-	-	-	-	2	-	-	-	2
CO 4	-	-	-	3	-	2	2	-	-	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	Hrs	CO No.
1	Introduction			
	1.1	Introduction to sustainability.	3	["1"]
	1.2	Sustainability in textiles Examples of sustainable textile processing innovations.	8	["1"]
	1.3	4R's in sustainable clothing.	4	["1"]
2	Textile Dyeing and Printing			
	2.1	Introduction to textile dyeing. Stages & Types of dyeing. Factors affecting dyeing ,Importance of dyeing, Sources of natural dyes, Benefits of natural dyeing.	10	["2"]
	2.2	Printing -Purpose and methods, Application of printing process in textile industry.	10	["3"]
3	Mini Project			
	3.1	Mini project - Eco-Friendly Fashion: Designing and Creating an Article using Natural Dyes/ Prints.	10	["4"]

Syllabus

Teaching and Learning Approach	Classroom Procedure (Mode of transaction) Lecture. Project Submission.
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Assessment Types	MODE OF ASSESSMENT Mode of Assessment: Theory
	A. Continuous Comprehensive Assessment (CCA) • Theory - 25 Marks Oral Presentation/Quiz/ Assignment,Project Report
	B. End Semester Evaluation (ESE) • Theory - 50 Marks Assessment Methods - Written Examination Duration of Examination - 1.50 Hrs Pattern of examination for Theory - Non-MCQ Different parts of written examination - Part - A , B , C , D , E Answer Type: ◦ PART - A ◦ MCQ - (10 out of 10) - $10 \times 1 = 10$ ◦ PART - B ◦ Fill in the blanks - (10 out of 10) - $10 \times 1 = 10$ ◦ PART - C ◦ One word - (10 out of 10) - $10 \times 1 = 10$ ◦ PART - D ◦ Short answer - (5 out of 6) - $5 \times 2 = 10$ ◦ PART - E ◦ Long Answers - (2 out of 4) - $2 \times 5 = 10$

References

- Corbman, B. P. (1983). Textiles: Fiber to Fabrics. Mcgraw-Hill.
- Kogent Learning Solutions Inc. (2010). Comdex Fashion Design, Vol 1, Fashion Concepts.
- Joseph, M. L. (1988). Essentials of Textiles. Holt, Rinehart, And Winston.
- Jerde, J. (1992). Encyclopedia of Textiles

Suggested Readings

- Kadolph, S. J., and Marcketti, S. B. (2017). Textiles. Pearson.
- Hargrave, H. (1997). From Fiber to Fabric. C and T Publishing Inc.

Affidavit

- We, Yeldo Mar Baselios College, Kothamangalam and Nimisha Devasia, retain the copyright of this syllabus and expressly prohibit its distribution in complete form to any institution outside our own.
- We, Yeldo Mar Baselios College, Kothamangalam, agree to appoint a new course coordinator for the proposed TEXTILE PROCESSING FOR SUSTAINABILITY in the event of the unavailability of the currently nominated coordinator. This appointment will ensure the continued coordination of course delivery, assessments, and all related academic responsibilities necessary for the successful implementation of the signature course, for as long as the college offers this programme.
- We, Yeldo Mar Baselios College, Kothamangalam and Nimisha Devasia, 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.



MGU-UGP (HONOURS)

Syllabus