

Name of Faculty	:	Faculty of Design
Name of Program	:	Bachelor of Design (BD)
Course Code	:	1BFD05
Course Title	:	Textile Printing
Type of Course	:	Professional Core (PC)
Year of Introduction	:	2023-24

Prerequisite	:	N.A
Course Objective	:	Develop a systematic, critical approach to problem solving and entrepreneurial skills
Course Outcomes	:	At the end of this course, students will be able to:
	CO1	Elementary Knowledge of different classes of dyes, finishes and methods of printing.
	CO2	Theoretical understanding of dyeing, finishing and printing in relation to the substrate and dye-print paste-finishes
	CO3	Hands on exposure to laboratory dyeing, printing and finishing and to apply the knowledge at home and in industry..

Teaching and Examination Scheme

Teaching Scheme (Contact Hours)			Credits	Examination Marks				
L	T	P		Theory Marks		Practical Marks		Total Marks
			C	SEE	CIA	SEE	CIA	
3	0	2	4	50	25	50	25	150

Legends: L-Lecture; T-Tutorial/Teacher Guided Theory Practice; P- Practical, C - Credit, SEE - Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.))

Course Content

Module No.	Topics	Teaching Hours	Weightage	Mapping with COs
I	Textile dyes and their application a. Classification Dyes and their application b. Pigments	20	20%	CO1
II	Printing of Textiles a. Direct styles - stencil, block printing, printing flat bed hand screen, semi automatic, rotary screen	20	30%	CO2, CO3

	printing and roller printing method b. Resist styles - Tie & Die and Batik printing c. Discharge and other modern methods of printing Comparison of different methods of printing in terms of production cost, production output, design limitation, fabric limitation and efficiency of dye utilization			
III	Pre-Preparation of 1. Substrate for printing 2. Preparation of, print paste, printing table and application through	10	20%	CO3
IV	Experiments on Printing and Finishing of Textiles 1. Printing of fabrics using a. Direct style - stencil, block and flat bed screen printing b. Resist - Tie & die, batik printing. 2. Basic finishing process.	25	30%	CO2, CO3

Suggested Distribution of Theory Marks Using Bloom's Taxonomy						
Level	Remembrance	Understanding	Application	Analyse	Evaluate	Create
Weightage	10	30	20	10	10	20

NOTE: This specification table shall be treated as a general guideline for the students and the teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Reference Books

Sr. No.	Name of Reference Books
1	Chavan R.B., Textile Printing [Book of papers], Dept. of Textile Technology, IIT New Delhi 1979.
2	Giles G.H., Laboratory course in dyeing., Hart & Clough., Bradford, England,1974.
3	Kale D.G., Principles of cotton printing, Maharaja Brothers Super Market Basement, Ahmedabad 1976.
4	Mittal R. M., Cotton Cloth Dyeing, The Textile Association Education, Bombay1985
5	Shah H.A. &Doshi S.M. Roller Printing, The Textile Association Education System, Bombay 1984.
6	Shah Saraiya N.S. and Gupta P.C. Technology & Management on printing.



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7	Trotman E.R. Dyeing & Chemical technology of Textile Fibre, 1975. Charles Griffin & Co. Ltd. London.
8	Vaidya A.A. & Trivedi S.S., Textile Auxiliaries & Finishing Chemicals, Ahmedabad, Textile Industry Research Association 1975.