

<b>Name of Faculty</b>	:	Faculty of Design
<b>Name of Program</b>	:	Bachelor of Design (BD)
<b>Course Code</b>	:	2BFD03
<b>Course Title</b>	:	Fabric Theory
<b>Type of Course</b>	:	Professional Core (PC)
<b>Year of Introduction</b>	:	2023-24

<b>Prerequisite</b>	:	N.A.
<b>Course Objective</b>	:	The course objective of Fabric Theory is to provide students with a comprehensive understanding of different types of fabrics, their properties, and their applications in the fashion industry. Students learn about fabric characteristics such as fiber content, weave, weight, and stretch, and how they influence garment design and construction. The course aims to enhance students' knowledge of fabric selection, sourcing, and utilization, enabling them to make informed decisions in creating successful fashion designs.
<b>Course Outcomes</b>	:	At the end of this course, students will be able to:
	CO1	Comprehensive exposure to the field of woven, non-woven and knitted fabric.
	CO2	Better understanding of techniques and processes used in structural and surface design of fabric
	CO3	Development of experimental attitude towards creative design process.
	CO4	Creative manipulation of hand and loom weaving technique.
	CO5	Basic knowledge and skills required for relevant industry induction.

#### Teaching and Examination Scheme

Teaching Scheme (Contact Hours)			Credits	Examination Marks				
L	T	P		Theory Marks		Practical Marks		Total Marks
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 CO
I	General introduction 1. Woven, b. knitted and c. non-woven fabrics 2. a. Woven, b. printed and c. embroidered designs with its significance and sources. 3. Manufacturing of woven fabric i. Tools and equipment required ii. Loom and its classification 4. Introduction to yarns i. Preparation for weaving ii. Types of weaves and their properties iii. Representation of weave on point paper.	20	30%	CO1, CO2, CO5
II	Other fabric manufacturing processes 1. Knitted fabric- a. Terminology b. Types of knits, properties and end uses 2. Non-woven fabric- a. Identification, processing, properties and end uses	10	20%	3
III	Designing Creating design units for repeat system in woven embroidered and printed textiles.	10	25%	CO4
IV	Hand Weaving Techniques Fabric designing with hand weaving techniques: Card board and loom weaving.	20	25%	CO4

Suggested Distribution of Theory Marks Using Bloom's Taxonomy						
Level	Remembrance	Understanding	Application	Analyse	Evaluate	Create
Weightage	15	25	15	10	10	25

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.

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Reference Books

Sr. No.	Name of Reference Books
1	Allen Fanin, 'Handloom weaving technology'
2	BhavaniEnakshi, 'Decorative designs and craftsmanship of India' Bombay, D.B. Taraporewala and sons and company pvt.ltd, 1932.
3	Martin S. Mathews and Carole Boggs Mathews, 'The official guide to coral draw.'
4	Marianne Strual, ' Handweaving and cloth design' published in 1977 by Viking press, New York.
5	Nisbeth, 'Grammar of textile design' Bombay, D.B. Taraporewala and sons and company pvt.ltd, 1985.
6	Peter Philips, Gillian Bunce, 'Repeat patterns- a manual for designers and artists and architects, London, Thames and Hudson ltd., 1993.
7	Shirley E. Held., 'Weaving- a handbook of Fine Arts-2 <sup>nd</sup> edition, copyright 1978,1973 by Holt, Rinehart and Winston.
8	V.A. Shenai, 'History of textile design' Bombay Sevak publication,1981.