



Course Title: RAW MATERIALS OF FASHION - I

Course level: PG

Course Code:

L	T	P/S	SW/F W	TOTAL CREDIT UNITS
2	1	-	-	3

Credit Units:03

Course Objectives: The course explores textile and its relationship in design & styling of apparel products. Through lectures, field trips, market research and construction techniques, the aesthetics, performance and their relationships are emphasized.

Pre-requisites: Graduation

Course Contents/Syllabus:

	Weightage (%)
Module I The Textile Industry: an overview	20
Introduction to major segments of textile industry with their respective uniqueness and market share , objectives and process flow of different sectors; Current market scenario of Indian and global textile industry	
Module II Fibers and yarns	20
Fibers- Classification of fibers, Natural and man made fibers with their uniqueness, application area, sourcing centers Yarns – Types of yarn, Yarn construction, properties, application area, types, Significance of yarn twist & yarn count.	
Module III Fabric structure	20
Introduction to techniques of production – weaving, knitting & non-woven, structure, properties, end use application, market share, sourcing centers of various fabric structures	
Module IV Fabric processing	20
Introduction to Dyeing, Printing & Finishes – definition, Types of dyeing, styles of printing, classification of finishes. Dyeing, printing & Finishing Defects.	
Module V Fabric Identification	20

Compare & categorize major textile structures, Sourcing of textiles & Preparation of Swatch file - Collection of fabrics, Structure, fiber content, characteristics & end uses.	
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Student Learning Outcomes: After completing this course, students will be able to

- Define and categorize major segments and products of textile industry
- classify various fibers and yarns with their constructional parameters
- Identify different types of fabrics as per their properties and end uses

Pedagogy for Course Delivery:

PPT, Fabric Swatch file, Field visit

Assessment/ Examination Scheme:

Theory L/T (%)	Lab/Practical/Studio (%)	End Term Examination
100	-	Theory

Theory Assessment (L&T):

Continuous Assessment/Internal Assessment					End Term Examination
Components (Drop down)	CT	P	A		EE
Weightage (%)	15	10	5		70

Text & References:

- Shenai, V.A., 1984, Technology of bleaching (Technology of textile processing) Sevak Publications, 4th impression edition
- Trotman E.R., 1991, Dyeing and Chemical Technology of Textile Fibers, Hodder & Stoughton; 6 edition
- Marsh, J. T., 2007, An Introduction to The Chemistry Of Cellulose, Osler Press
- Shenai, V.A., 1977, Textile fibers (Technology of textile processing), Sevak Publications, 2d ed., rev.
- Robinson, J.S., 1980, Manufacture of Yarns and Fabrics from Synthetic Fibers (Chemical technology), Noyes Publications.
- Wacker, Jill. 2000, Knitting: History, Fashion, and Great Knitting Yarns, Running Press Miniature Editions; Book and Access edition
- Chandler, Deborah. 1995, Learning to Weave, Interweave Press; Revised edition
- Corbman.1967, Fiber to Fabric, Gregg McGraw-Hill;4th Edition