

B.Sc. (Fashion Design): Semester-IV	
BFD 404: FUNDAMENTALS OF TEXTILE DESIGN AND FINISHES	
Teaching Scheme	Examination Scheme
Lectures: 4 hours/week	Class Test -12 Marks
Practical: Nil	Teachers Assessment – 6 Marks
Credits: 4	Attendance – 12 Marks
	End Semester Exam – 70 marks

Prerequisite: BFD 453 Women's Wear, BFD 456 Minor Project, BFD 552 Men's Wear, BFD 553 Functional Clothing, BFD 651 Graduation Design Collection

Course Objectives:

1. To give complete knowledge about different techniques of textile designing.
2. To explain about the concept of fabric finishes.
3. To give complete knowledge of different mechanical finishes.
4. To give knowledge about stiffeners and softeners.
5. To give knowledge of special finishing of wool and silk.
6. To give knowledge about energy efficient finishing processes.

Detailed Syllabus:

Unit I: Techniques of designing textiles.
weaving, knitting, dyeing, printing, and other methods.
Unit II: Introduction to finishing types and importance
Introduction of finishing and importance, types of finishing.
Unit III: Mechanical finishes
Sulfurization, Wrinkle-resist finishing, Need, General approach for obtaining finished product, Cross-linking agents, Catalysts needed, Process
Unit IV: Finishes
Softeners and Softeners Waterproof, Water repellent, Waterproof breathable finishing, Flame retardants, Antimicrobial finishing, Bio-polishing, Soil repellency and Soil release finishing
Unit V: Finishing of wool and silk
Milling, setting, Shrink-resistant finishing, Special finishing of silk
Unit VI: Energy efficient technology and finishing of synthetics
Low liquor application and foam finishing, heat setting, Antistatic and other special finishing

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Course Outcomes:

After completing the course, the student shall be able to:

1. To remember the basic techniques of textile designing.
2. To understand the importance of textile finishes.
3. To apply the importance of mechanical finishes.
4. To analyze the importance of synthetic finishes.
5. To evaluate about the concept of stiffeners and softeners in textile processing.
6. To create about different innovative advancements in textile finishes.

Suggested Readings

- Sekhri. Seema, 2010. Textbook of Fabric Science: Fundamentals to Finishing.
- Fundamentals of Textiles & Their Care, By Shuseela Dhantiyagi

Note: Latest edition of readings may be used

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