LESSON PLAN

DEPARTMENT OF TEXTILE TECHNOLOGY, ITT, CHOUDWAR

SUBJECT: Textile Chemical Processing- I (TH-4) Periods: 3 per week W.E.F : Dtd- 01.08.2023

SEMESTER: (3rd)Third

NAME OF FACULTY: Sri G. Bhattacharya, Sr. Lecturer(MMFT)

Sl. No.	Week	Date	Period	Topics/ Allotted Periods	Theory / Practical Topics
1	1.8.2023 to 5.8.2023	02.8.2023	1st	Dry Processing (05)	Introduction
		02.8.2023	2nd		Dry & wet processing of Textile materials.
		04.08.2023	3rd		Dry processing like- Pre-cleaning, Mending, Stamping, stitching , Shearing and cropping
2	7.8.2023 to 12.8.2023	09.8.2023	1st		Different methods of singeing (Plate & Roller) drawbacks and advantages.
		09.8.2023	2nd		Gas Singeing , drawbacks and advantages.
		11.8.2023	3rd	Desizing (05)	Object of desizing
3	14.8.2023 to 19.8.2023	16.8.2023	1st		Classification of desizing methods.
		16.8.2023	2nd		Details and mechanism of removal of starch.
		18.8.2023	3rd		Details and mechanism of removal of starch
4	21.8.2023 to 26.8.2023	23.8.2023	1st		Efficiency of Desizing
		23.8.2023	2nd	Scouring (15)	Objectives of Scouring
		25.8.2023	3rd		Mechanism of Cotton scouring
5	28.8.2023 to 2.9.2023	30.8.2023	1st		**Jhulana Purnima (Holiday)**
		01.09.2023	2nd		Mechanism of Cotton scouring
		1.9.2023	3rd		Classification of Kier & working mechanism of Industrial Kier.
6	4.9.2023 to 9.9.2023	6.9.2023	1st		**Janmastami (Holiday)**
		8.9.2023	2nd		Classification of Kier & working mechanism of Industrial Kier.
7	11.9.2023 to 16.9.2023	13.9.2023	1st		Mechanism of of removal of impurities, recipe and controlling parameters of wool fibres/ yarns/ fabrics
		13.9.2023	2nd		
		15.9.2023	3rd		Mechanism of of removal of impurities, recipe and controlling parameters of wool fibres/ yarns/ fabrics
8	18.9.2023 to 23.9.2023	20.9.2023	1st		**Nuahkai(Holiday)**
		22.9.2023	2nd		Mechanism of of removal of impurities, recipe and controlling parameters of wool fibres/ yarns/ fabrics
9	25.9.2023 to 30.9.2023	27.9.2023	1st		Mechanism of of removal of impurities, recipe and controlling parameters of synthetic fibres/ yarns/ fabrics
		27.9.2023	2nd		Degumming of silk.
		29.9.2023	3rd		**Birthday of Prophet Mohammed (Holiday)**
10	2.10.2023 to 7.10.2023	04.10.2023	1st		Degumming of silk.
		06.10.2023	2nd		Souring process
		06.10.2023	3rd		Evaluation of scouring efficiency
11	9.10.2023 to 14.10.2023	11.10.2023	1st		**Class for any shortfalls/Revision**
		11.10.2023	2nd		Objectives of bleaching & classification of bleaching agents
		13.10.2023	3rd		Mecahnism of Hypochlorite bleaching
12	16.10.2023 to 21.10.2023	18.10.2023	1st		Mecahnism of peroxide bleaching
		18.10.2023	2nd		Mecahnism of chlorite bleaching
		20.10.2023	3rd		Bleaching of cotton textiles by suitable bleaching agents.

13	23.10.2023 to 28.10.2023	25.10.2023	1st	**Bleaching (10)**	**Puja Vacation (Holiday)**
		25.10.2023	2nd		**Puja Vacation (Holiday)**
		27.10.2023	3rd		**Puja Vacation (Holiday)**
14	30.10.2023 to 04.11.2023	01.11.2023	1st		Bleaching of cotton textiles by suitable bleaching agents.
		01.11.2023	2nd		Bleaching of silk & wool textiles by suitable bleaching agents.
		03.11.2023	3rd		Bleaching of man-made blended textiles by suitable bleaching agents.
15	06.11.2023 to 11.10.2023	8.11.2023	1st		Principles and application of optical brightening and blueing agents
		8.11.2023	2nd		
		10.11.2023	3rd	**Dyeing & Wet Processing M/C (10)**	Classify dyes and pigments used in textile industry
16	13.11.2023 to 18.11.2023	15.11.2023	1st		Compare between natural and synthetic dyes
		15.11.2023	2nd		General properties of dyes (solubility, affinity toward, Properties)
		17.11.2023	3rd		principles of dyeing.
17	20.11.2023 to 25.11.2023	22.11.2023	1st		Dyeing of textiles of natural fibres [(Cotton by direct, reactive, vat, azoic& sulphur.
		22.11.2023	2nd		
		24.11.2023	3rd		Dyeing of textiles of natural fibre Silk by acid dye.
18	27.11.2023 to 01.12.2023	29.11.2023	1st		Dyeing of textiles of natural fibre Wool by acid dye.
		29.11.2023	2nd		Working principles of Winch, Jet & Beam dyeing machine.
		01.12.2023	3rd		Working principles of Hank and Package dyeing machine, Jigger, J-Box etc

Sign. of Faculty **Sign. of HOD** **Sign. of Principal**

PRINCIPAL
Institute of Textile Technology
Choudwar, Cuttack