

# LESSON PLAN

**SUB: Textile Chemical Processing-I (Lab)**

**BRANCH: TEXTILE ENGG.**

**SEMESTER:3<sup>rd</sup>**


**NAME OF FACULTY: Birendra Meher (Lect. in Textile Tech.)**



**GOVERNMENT POLYTECHNIC,  
BHADRAK**

  
HOD (TC) Textile Engg.

  
Academic Co-ordinator

  
Principal  
Govt. Polytechnic, Bhadrak

## LESSON PLAN

DEPARTMENT OF TEXTILE ENGG, GOVT. POLYTECHNIC, BHADRAK

SUBJECT: Textile Chemical Processing - I Lab Periods: 5 per week SEMESTER: 3rd

NAME OF FACULTY: BIRENDRA MEHER ACADEMIC YEAR: 2022-2023

Semester From date: 15.9.2022 To Date: 22.12.2022 No. of weeks: 15

Week	Class Day	Theory / Practical Topics
1st	1st	Desizing of grey cotton yarn/fabric using chemicals/enzyme.
	2nd	Desizing of grey cotton yarn/fabric using chemicals/enzyme.
	3rd	Desizing of grey cotton yarn/fabric using chemicals/enzyme.
	4th	Desizing of grey cotton yarn/fabric using chemicals/enzyme.
	5th	Desizing of grey cotton yarn/fabric using chemicals/enzyme.
2nd	1st	Desizing of grey cotton yarn/fabric using chemicals/enzyme.
	2nd	Desizing of grey cotton yarn/fabric using chemicals/enzyme.
	3rd	Desizing of grey cotton yarn/fabric using chemicals/enzyme.
	4th	Desizing of grey cotton yarn/fabric using chemicals/enzyme.
	5th	Desizing of grey cotton yarn/fabric using chemicals/enzyme.
3rd	1st	Scouring of desized cotton yarn/fabric
	2nd	Scouring of desized cotton yarn/fabric
	3rd	Scouring of desized cotton yarn/fabric
	4th	Scouring of desized cotton yarn/fabric
	5th	Scouring of desized cotton yarn/fabric
4th	1st	Scouring of desized cotton yarn/fabric
	2nd	Scouring of desized cotton yarn/fabric
	3rd	Scouring of desized cotton yarn/fabric
	4th	Scouring of desized cotton yarn/fabric
	5th	Scouring of desized cotton yarn/fabric
5th	1st	Scouring of P/C blended fabrics.
	2nd	Scouring of P/C blended fabrics.
	3rd	Scouring of P/C blended fabrics.
	4th	Scouring of P/C blended fabrics.
	5th	Scouring of P/C blended fabrics.
6th	1st	Bleaching of scoured cotton yarn/fabric with hypochlorite agent
	2nd	Bleaching of scoured cotton yarn/fabric with hypochlorite agent
	3rd	Bleaching of scoured cotton yarn/fabric with hypochlorite agent
	4th	Bleaching of scoured cotton yarn/fabric with hypochlorite agent
	5th	Bleaching of scoured cotton yarn/fabric with hypochlorite agent
7th	1st	Bleaching of cotton fabric with hydrogen peroxide
	2nd	Bleaching of cotton fabric with hydrogen peroxide
	3rd	Bleaching of cotton fabric with hydrogen peroxide
	4th	Bleaching of cotton fabric with hydrogen peroxide
	5th	Bleaching of cotton fabric with hydrogen peroxide
8th	1st	Mercerization of cotton yarn
	2nd	Mercerization of cotton yarn
	3rd	Mercerization of cotton yarn
	4th	Mercerization of cotton yarn
	5th	Mercerization of cotton yarn
9th	1st	Scouring and Bleaching of Wool.
	2nd	Scouring and Bleaching of Wool.
	3rd	Scouring and Bleaching of Wool.

10th	4th	Scouring and Bleaching of Wool.
	5th	Scouring and Bleaching of Wool.
	1st	Scouring and Bleaching of Wool.
	2nd	Scouring and Bleaching of Wool.
	3rd	Scouring and Bleaching of Wool.
	4th	Scouring and Bleaching of Wool.
11th	5th	Scouring and Bleaching of Wool.
	1st	Degumming of Silk
	2nd	Degumming of Silk
	3rd	Degumming of Silk
	4th	Degumming of Silk
12th	5th	Degumming of Silk
	1st	Dyeing of cotton yarn/fabric using direct and reactive dyes and studying their fastness properties.
	2nd	Dyeing of cotton yarn/fabric using direct and reactive dyes and studying their fastness properties.
	3rd	Dyeing of cotton yarn/fabric using direct and reactive dyes and studying their fastness properties.
	4th	Dyeing of cotton yarn/fabric using direct and reactive dyes and studying their fastness properties.
13th	5th	Dyeing of cotton yarn/fabric using direct and reactive dyes and studying their fastness properties.
	1st	Dyeing of cotton yarn/fabric using direct and reactive dyes and studying their fastness properties.
	2nd	Dyeing of cotton yarn/fabric using direct and reactive dyes and studying their fastness properties.
	3rd	Dyeing of cotton yarn/fabric using direct and reactive dyes and studying their fastness properties.
	4th	Dyeing of cotton yarn/fabric using direct and reactive dyes and studying their fastness properties.
14th	5th	Dyeing of cotton yarn/fabric using direct and reactive dyes and studying their fastness properties.
	1st	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
	2nd	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
	3rd	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
	4th	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
15th	5th	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
	1st	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
	2nd	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
	3rd	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
	4th	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.

5th

Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.



Signature of  
Lect. Textile Engg.



Signature of  
HOD (I/C) Textile Engg.



Signature of  
Academic co-ordinator.