

Lesson Plan

Name of Faculty: Sh. Rajesh Kadian

Discipline: Textile Technology

Semester: 2nd

Subject: FABRIC STRUCTURE

Lesson Plan Duration: 16 weeks

Work Load (Lecture / Practical) per week (in hours): Th= 3 per week

		<u>Lesson Plan</u>
Week	Lecture	Work Load (Lecture / Practical) per week (in hours): Th = 3 per week / Practical 4 per week
1	1	Introduction, Representation of woven design- Interlacement diagram
	2	Graphical representation of woven fabric structure Design, weave repeat unit or repeat size.
	3	Relationship between design, draft, lifting plan and sectional view Pointed, plan draft
2	1	Draw Design from Draft and peg plan
	2	Draft, types of draft-straight, pointed, skip and satin, broken, divided group
	3	Introduction characteristics and end use of plain weave
3	1	Derivatives of plain weave- warp rib, weft rib and hopsack weave.
	2	Derivatives of hopsack weave- Stitched, centre stitched, barley corn
	3	Twilled hopsack weave. Ornamentation of plain weave.
4	1	Rib and cord effect and its prominence Introduction characteristics and end use of twill weave.
	2	Warp faced twill, weft face twill, right hand and left hand twill weave.
	3	Derivatives of twill weave- Pointed, waved twillweave
5	1	Herring bone, Broken twill (By breaking at regular interval, by entering and skipping method)
	2	Elongated and transposed Twill Weave. Balanced and unbalanced twill weave
	3	Factor affecting the prominence of twill weave.
6	1	Sessional - I
	2	Introduction characteristics and end use of satin and sateen weave.
	3	Regular satin/sateen up to 12 ends.
7	1	Irregular satin/sateen up to 12 ends.

	2	Characteristics, end use of Diamond and Diaper
	3	Comparison of Diamond and diaper. Diamond upto 16 picks.
8	1	Diaper design upto 16 picks.
	2	Characteristics, end use and design of Ordinary honey comb weave up to 16 picks
	3	Characteristics, end use and design of brighton honey comb weave up to 16 picks
9	1	Sessional - II
	2	Ordinary honey comb of 14x12
	3	Ordinary honey comb of 12x14
10	1	Characteristics and comparison of Huck-a – Back and mock leno
	2	Design of Huck-a-Back
	3	Design of mockleno
11	1	FeatureofDifferentFabric-cambric,gabardine,chiffon,denim,jeans,voile.
	2	FeatureofDifferentFabric-blanketand sponge cloth.
	3	Rib and cord effect
12	1	Rib and cord effect
	2	Welt and pique- characteristics, end use and comparison Welt structure- ordinary, weft waded PNP configurations.
	3	Welt structure- weft waded PNP configurations.
13	1	Revision
	2	Revision
	3	Sessional - III
14	1	Pique structure and design
	2	Bedfordcord-characteristics,enduseandcomparisonwithwelt.
	3	Plainfacedbedfordcord (Regular and alternate pick principle)
15	1	Wadded bed ford cord, Twill faced bed ford cord.
	2	Revision – question paper 1
	3	Revision – question paper 2

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