LESSON PLAN
DEPARTMENT OF TEXTILE TECHNOLOGY, ITT, CHOUDWAR

SUBJECT: TEXTILE DESIGN-II   **Periods:** 4 per week   **SEMESTER:** 5th

NAME OF FACULTY: GOUTAMA BHATTACHARYA

No. of weeks/Sem as per SCTE&VT, Odisha Textile Tech/ Engg Syllabus: 15

Week	Class Day	Theory / Practical Topics
1st	1st	Introduction
	2nd	Explain light and Pigment theory of colour..
	3rd	Describe colour and weave combination.
	4th	Methods of generating different colour & weave effect effects like continuous line
2nd	1st	Methods of generating different colour & weave effect effects like hairline, birds eye & step pattern
	2nd	Methods of generating different colour & weave effect effects like Hounds tooth pattern and all over effects.
	3rd	**Class for any shortfalls/Revision**
	4th	Concept of pile & classification
3rd	1st	Brief idea on Swing reed principal of terry pile fabric manufacturing.
	2nd	Brief idea on Cloth fell displacement principal of terry pile fabric manufacturing.
	3rd	Terry pile like-Single sided & double sided terry pile.
	4th	**Class for any shortfalls/Revision**
4th	1st	Three pick terry pile structure.
	2nd	Four pick & five pick terry pile structure.
	3rd	Velvet structure (face to face principal of weaving)
	4th	Construct the design of Weft pile
5th	1st	Weft pile classification & design
	2nd	Plain based velveteen designs
	3rd	Plain based velveteen designs
	4th	Plain based velveteen designs
6th	1st	Fast pile design
	2nd	Twill based velveteen design
	3rd	Twill based velveteen design
	4th	Corded velveteen / Corduroys design
7th	1st	Plain based velveteen ,twill based velveteen ,Corduroys, fast Pile properties and end uses
	2nd	**Class for any shortfalls/Revision**
	3rd	**Class for any shortfalls/Revision**
	4th	Introduction to Back.
8th	1st	State principle of construction of Back and double cloth.
	2nd	State principle of construction of double cloth.
	3rd	Classify Back cloth
	4th	Construction of warp Back cloth (reversible & Irreversible)
9th	1st	Construction of warp Back cloth (reversible & Irreversible)
	2nd	Construction of weft Back cloth (reversible & Irreversible)
	3rd	Construction of weft Back cloth (reversible & Irreversible)
	4th	Construction of Back cloth – Warp (reversible & Irreversible)back cloth design with Wadding effect .

10th	1st	Construction of Back cloth – weft (reversible & Irreversible) back cloth design with Wadding effect .
	2nd	Introduction to double cloth
	3rd	Classify double cloth
	4th	Construction of self stitched double cloth.
11th	1st	Construction of self stitched double cloth
	2nd	Construction of centre stitch double cloth
	3rd	Construction of ply cloths, Treble cloth , tubular cloth ,double width cloth
	4th	Construction of ply cloths.
12th	1st	Construction of Treble cloth , tubular cloth ,double width cloth etc.
	2nd	**Class for any shortfalls/Revision**
	3rd	**Class for any shortfalls/Revision**
	4th	Introduction to cross woven structure.
13th	1st	Difference between Gauge & Leno structure.
	2nd	Construct the design of Gauge and leno weaves and their representation in design paper.
	3rd	Explain Leno and use of doup healds.
	4th	Construct the design of cellular leno & twill leno
14th	1st	**Class for any shortfalls/Revision**
	2nd	Importance of Jacquard / dobby loom from design point of view.
	3rd	State different factors affecting Jacquard design, construct jacquard design
	4th	State different factors affecting Jacquard design, construct jacquard design
15th	1st	State features of Damask & Brocade
	2nd	Brief idea on software for Textile woven design with windows platform.
	3rd	State the advantages of CAD in this field.
	4th	**Class for any shortfalls/Revision**