

# LESSON PLAN

DEPARTMENT OF TEXTILE TECHNOLOGY, ITT, CHOUDWAR

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

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

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