

PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY

Department of Textile Engineering

Faculty Name: Ms. Manju Singh

Subject Name: Garment Technology

Year/Semester: 3rd/ 6th

Subject Code: PCC-TEX-304A

Lesson Plan

	Topic of the Lecture	Hours	Total Hours
Unit I	Introduction to clothing manufacturing	1	8
	The structure of clothing industry	1	
	Organization chart of clothing factory	1	
	Raw materials and accessories for garment industry	2	
	Relationship between fabric properties and making up process	1	
	Fabric quality requirement for garment industry	1	
	Evaluation of Sewability	1	
Unit II	Introduction to pattern making and garment construction	1	12
	Different terminologies	1	
	Drafting, Basic bodies blocks	1	
	CAD for pattern making	1	
	Introduction to spreading and marker planning: Planning, drawing and reproduction of marker	1	
	Methods of marker planning and marker used	1	
	Normal marker planning and computerized marker planning	1	
	Introduction to symmetrical and asymmetrical fabrics	1	
	Criteria for spreading, Methods of spreading	1	
	Spreading machines	1	
	Principles of lay plan	1	
Types of lay plan	1		
Unit III	Introduction to cutting: Criteria for cutting	1	18
	Cutting methods	1	
	Cutting by straight knife, band knife, notches and drill	1	
	Computer controlled knives	1	
	Die cutting, laser cutting, Plasma cutting, ultrasonic cutting	1	
	Introduction to sewing: Properties of seams	1	
	Seam types	2	
	Stitch types	2	
	Sewing machine feed mechanism	2	
	Sewing machine needles	1	
	Sewing threads	2	
	sewing problems	1	
Basic sewing machines and sewing work aids	2		
Unit IV	Purpose of pressing. Equipments and various pressing methods	2	8
	Requirement, fusing process and equipment used	2	
	Trimming and garment accessories: definition, types, trimming methodologies	2	
	Care labelling in garment manufacturing	2	