

CDF1301FM PRINCIPLES OF PATTERN MAKING AND GRADING

(THEORY)

Class: B.Sc. Costume Design and Fashion		Semester: I	Credit:3	Hours per week: 4 hrs.
COs	COURSE OUTCOMES			COGNITIVE LEVEL
On successful completion of the course, the student will be able to				
CO1	relate body measurement to pattern making			K1 remember
CO2	interpret various methods and types of patterns			K2 understand
CO3	develop the styles and fitting for basic bodice			K3 apply
CO4	explain pattern alteration and grading			K2 understand
CO5	classify layouts for different patterns according to fabric design			K2 understand

COURSE CONTENT:

UNIT I: BODY MEASUREMENT

12 hrs.

Body measurement – importance, preparing for measuring – lady’s measurements – boy’s and men’s measurements – standardizing body measurements – importance – techniques used – various standards used worldwide – relative length and girth measures in ladies and gentlemen – preparation of fabric for cutting – importance of grain in cutting and construction – steps in preparing the fabric for cutting.

UNIT II: PATTERN MAKING

12 hrs.

Pattern Making – method of pattern making – drafting and draping – merits and demerits – types of paper patterns – patterns for personal measurements and commercial patterns – principles of pattern drafting – pattern details – steps in drafting basic bodice front and back and sleeve.

UNIT III: STYLES AND FITTING

12 hrs.

Styles created by shifting of blouse darts – adding fullness to the bodice – converting darts to seam and partial yokes and incorporating darts in to seams forming yokes – fitting – standards of a good fit – steps in preparing a blouse for fitting – checking the fit of a blouse – solving fitting problems in a blouse – fitting techniques – introduction to 3D body scanning in pattern making and fitting.

UNIT IV: PATTERN ALTERATION

12 hrs.

Pattern alteration – importance of altering patterns – general principles for pattern alteration – common pattern alteration in different garment for men and women – pattern grading – definition – types – manual – master grades – basic front – basic back – basic sleeve – basic collar.

UNIT V: PATTERN LAYOUT

12 hrs.

Pattern Layout – definition – purpose – rules in layout – types of layouts – layout for length wise striped designs – fabric with bold design – asymmetric designs – one way designs – procedure for insufficient fabric – fabric cutting – transferring pattern marking – stay stitching – ease stitching.

TEXTBOOK(S):

Mary Mathews, (1986). *Practical Clothing Construction Part I and Part – II*, Chennai: Cosmic Press. Print.

REFERENCE(S):

Gerry Cooklin, (1990). *Pattern Grading for women’s clothing, The technology of sizing*, Blackwell Science Ltd., Print.

Zarapkar K. R., (2010). *Zarapkar system of cutting*, Navneet publications Ltd., Print.

COs cognitive level and mapping with PSOs

CDF1301FM PRINCIPLES OF PATTERN MAKING AND GRADING					
CO	PSO				
	1	2	3	4	5
CO1	3	1	3	2	3
CO2	2	1	3	1	3
CO3	2	2	3	1	1
CO4	3	2	3	1	2
CO5	3	1	3	2	3

Strongly Correlated (3), Moderately Correlated (2), Weakly Correlated (1)