



GUJARAT TECHNOLOGICAL UNIVERSITY

Program Name: Engineering

Level: Diploma

Branch: Textile Design

Course / Subject Code : DI03059051

Course / Subject Name : Pattern Making for Fashion Design

w. e. f. Academic Year:	2024-25
Semester:	3 rd
Category of the Course:	PCC

Prerequisite:	Basic sewing skills, body measurement knowledge, and an understanding of garment construction are essential prerequisites.
Rationale:	Pattern making and drafting are fundamental skills in fashion design, enabling students to transform creative ideas into wearable garments. This course provides hands-on training in measuring, drafting, and manipulating patterns for various garments. Students will learn industry-standard techniques, tools, and terminology, preparing them for careers in fashion design, apparel manufacturing, and boutique management.

Course Outcome:

After Completion of the Course, Student will able to:

No	Course Outcomes	RBT Level
01	Understand and use terminology related to Pattern making & form measurement	R+U
02	Create dart manipulation techniques to achieve desired garment shapes.	C
03	Apply the principles of pattern drafting to create basic and advanced patterns.	A
04	Select suitable drafting and patternmaking techniques for constructing fashion garments	N

*Revised Bloom's Taxonomy (RBT)

Teaching and Examination Scheme:

Teaching Scheme (in Hours)			Total Credits L+T+ (PR/2)	Assessment Pattern and Marks				Total Marks
L	T	PR		C	Theory		Tutorial / Practical	
			ESE (E)		PA(M)	PA(I)	ESE (V)	
2	0	4	4	70	30	20	30	150



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Course Content:

Unit No.	Content	No. of Hours	% of Weightage
1.	Form Measurements & Figure Analysis 1.1 Basic Human Anatomy 1.2 Center front neck , Center back neck 1.3 Center front waist , Center back waist 1.4 Bust points , Side front (princess) , Side back (princess) Shoulder tip , Armhole ridge , Plate screw, Armhole plate	4	10
2.	Principles of Pattern Making 2.1 Basic block pattern 2.2 Apparel pattern 2.3 Dart Manipulation 2.4 Added Fullness 2.5 Contouring	6	20
3.	Basic Pattern Set Drafting 3.1 Basic Dress Foundation 3.2 Torso Foundation 3.3 Dress Categories 3.4 Princess-Line Foundation	4	10
4.	Designing with Darts & Yokes 4.1 Tuck-Darts , Pleats 4.2 Types of Flares & Gathers 4.3 Style line Variations 4.4 Yokes For Bodice 4.5 Different types of Cowls	6	20
5.	Garment Construction 5.1 Basic shirt collar foundation 5.2 Applied & Combination collars 5.3 Blouse and Sleeve Foundations 5.4 Stitching Essential and its types 5.5 Grown-on collar (raised)	10	40
	Total	30	100

Suggested Specification Table with Marks (Theory):

Distribution of Theory Marks (in %)					
R Level	U Level	A Level	N Level	E Level	C Level
15	15	25	15	-	30



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Where R: Remember; U: Understanding; A: Application, N: Analyze and E: Evaluate C: Create (as per Revised Bloom's Taxonomy)

Suggested Course Practical List:

S. No.	Practical Outcomes (PrOs)	Unit No.	Approx. Hrs. required
1	Body Measurements and Parts of the Body <ul style="list-style-type: none">Bust, Waist, Hip, CF Neck, Shoulder, Centre Shoulder to Bust, CB Neck, CB Shoulder, Hip Depth, Waist to Floor (CF/CB), Waist to Knee, Upper Arm, Arm Length	1	04
2	Draft a Basic patterns using draping, flat paper, and drafting methods.	2	04
3	Create Dart Manipulation Using the Slash and Spread Method	2	04
4	Create Dart Manipulation Using the Pivot Method	2	04
5	Draft a Basic Bodice Block for a teenage girl	3	04
6	Draft a Basic Kurti (Sleeve less) for teenage girl with measurements	3	04
7	Draft a Basic long sleeve for a kurti girl with measurements	3	04
8	Draft a Basic Skirt for teenage girl with measurements	3	04
9	Draft a A Line skirt for teenage girl with measurements	4	04
10	Draft a Basic Trouser/Pant for teenage girl with measurements	4	04
11	Draft a Basic blouse for a woman with measurements	4	04
12	Draft a puff sleeves for a teenage girls	4	04
13	Draft yokes, flanges, pleats and tucks.	4	04
14	Convert darts into gathers, flares and style lines.	4	04
15	Design garments with gathers, cutouts, and empire silhouettes.	5	04
	Total		60

S. No.	Equipment Name with Broad Specifications	PrO. No.
1	Notch Tool , Awl Punch and Circle , Pattern paper, Scissors, Measuring tape , Straight pins , Pincushion	1 to 14
2	Tailor's chalk, Tracing wheels , Pencils and pens, Rulers , Curve rules	1 to 14

Suggested Project List:

- Make kurti for own by taking measurement
- Undertake micro-projects in teams



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- c) Development of new fashion Garment
- d) Visit any fashion show

Suggested Activities for Students:

- a) Product development through fashion illustration in apparels and accessories
- b) Make Different Fashion garments patterns
- c) Make portfolio having collection of different types seam & Stiches.

References/Suggested Learning Resources:

(a) Books:

S. No.	Title of Book	Author	Publication with place, year and ISBN
1	Patternmaking for Fashion Design	Helen Joseph-Armstrong	Pearson Education, Inc.,2006 ISBN : 978-0-13-606934-8
2	Carr and Latham's Technology of Clothing Manufacture	David J. Tyler	Blackwell Publishing , 2008 ISBN: 1405161981
3	Cooklin's Garment Technology for Fashion Designers	Gerry Cooklin ,Steve Hayes, John McLoughlin and Dorothy Fairclough	John Wiley & Sons Ltd , 2012 ISBN :- 9781405199742
4	Dress Pattern Designing The Basic Principles of Cut and Fit	Natalie Bray	BSP Professional Books ,1986 ISBN: 9780632018819
5	Fashion Designing & Technology	Gayatri Verma	Computech Publications ,2022 ISBN: 978-81-7317-875-7

(b) Open source software and website:

1. <https://www.ewstfashionlab.com/basic-skirt-draping>
2. <https://www.etelestia.com/>
3. <https://www.fashionillustrationtribe.com/>
4. <https://fashion-premier-academy.teachable.com/p/pattern-making-and-advanced-draping-part-5>
5. <https://www.universityoffashion.com/disciplines/pattern-making/>
6. <https://www.georgebrown.ca/programs/fashion-techniques-and-design>

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