



GUJARAT TECHNOLOGICAL UNIVERSITY

Program Name: Engineering

Level: Diploma

Branch: Computer Aided Costume Design and Dress Making

Course / Subject Code: DI03051061

Course / Subject Name: Apparel Construction

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

Prerequisite:	Pattern Making & Grading (DI02051031)
Rationale:	This course is designed to provide hands-on experience in the fundamental and advanced aspects of garment construction and fashion design for both female and male clothing. It introduces students to the principles of pattern drafting and teaches precision in drafting, understanding of body proportions, and the importance of fit. It forms the base for developing any upper garment through the process of pattern adaptation into wearable designs. Designing a full outfit fosters creative thinking and an understanding of garment coordination. This enhances creativity while reinforcing technical skills. Overall, these practicals aim to equip students with essential skills in design development, pattern drafting, garment construction, and fashion illustration, forming a solid foundation for careers in fashion design and apparel production.

Course Outcome:

After Completion of the Course, Student will able to:

No.	Course Outcomes	RBT Level
01	Create upper basic block of female.	C
02	Adapt upper and lower basic block of female.	C
03	Construct different upper and lower garment for female.	A
04	Design different upper and lower garment for male and female.	C
05	Develop formal wear for male.	A

**Revised Bloom's Taxonomy (RBT)*



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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)	
0	0	06	03	00	00	50	50	100

References/Suggested Learning Resources:

(a) Books:

1. Pattern Grading for: Gerry Cooklin John Wiley & Sons Ltd ISBN-10: 0632022957 (April 1990) ISBN-13: 978-0632022953
2. Metric Pattern Cutting: Winifred Aldrich John Wiley and Sons Ltd ISBN-10: 0632036125 (1994) ISBN-13: 978-0632036127
3. Pattern making for Fashion design: Armstrong, Helen Joseph Prentice Hall ISBN 10: 0136069347 (2009) ISBN 13: 9780136069348
4. Pattern Grading for Women's Clothes Gerry Cooklin John Wiley & Sons Ltd ISBN-10: 0632022957 (April 1990) ISBN-13: 978-0632022953
5. Zarapkar system of cutting K P Zarapkar Navneet (2008) ISBN 13: 978-8124301999
6. Metric pattern cutting for Menswear Winifred Aldrich Wiley-Blackwell ISBN 10: 1405182938 ISBN 13:978-1405182935

(b) Open-source software and website:

1. https://books.google.co.in/books/about/Patternmaking_For_Fashion_Design_And_Dvd.html?id=2fwcuCqTjtAC&printsec=frontcover&source=kp_read_button&hl=en&newbks=1&newbks_redir=1&redir_esc=y
2. <https://en.fashionfreaks.se/patterns-and-accessories/patterns-jackets-pants-skirt/womens-jackets/>
3. <https://textilelearner.net/womens-shirt-drafting-procedure/>
4. <https://www.theshapesoffabric.com/2019/02/23/how-to-draft-the-basic-skirt-pattern/>
5. <https://intheolds.com/blog/2016/2/22/how-to-draft-a-bodice-block> • Basics of Pattern Making & Pattern Making Basics for Garments - Fibre2Fashion
6. [How to Draft the Basic Skirt Pattern - The Shapes of Fabric](#)
7. https://assets.burdastyle.com/pdf_files/assets/000/101/886/constructing-the-basic-trouser-block_original.pdf



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Suggested Course Practical List:

Sr. No.	Practical List	Hours
1	Prepare Upper bodice block for female (Front, Back & sleeve).	06
2	Prepare a top / simple kurta / frock for a female. <ul style="list-style-type: none">• Adapt female upper bodice block to a top / simple kurta / frock.• Cut & stitch the adapted garment.	12
3	Draft, cut and stitch female lower garment (any one) <ul style="list-style-type: none">• Skirt• Salwar• Chudidar• Palazzo• Culottes	12
4	Design a Kurta with Salwar / Chudidar / Pant / Palazzo for female (any 5).	06
5	Design a top with Skirt / Trouser for female (any 5).	06
6	Design Formal / Casual / Traditional wear for male (any 5).	06
7	Draft, cut and stitch formal shirt for male.	18
8	Draft, cut and stitch basic trouser for male.	24

List of Laboratory/Learning Resources Required:

- Cutting Laboratory
- Sewing Laboratory

Suggested Project List:

1. **Party wear:** Collect pictures of party wear garments.
2. **Fusion wear:** Design five fusion wear garment for male and female.
3. **Fabric analysis:** Collect suitable fabric samples used in male and female garments and analyze them.
4. **Casual wear:** Design five Casual wear for male and female.

Suggested Activities for Students: If any

1. Assign internet-based assignments.
2. Give seminar on any relevant topic.
3. Assign teacher guided self-learning activities.
