

Category-III

B.A (Prog.) with Apparel Design and Construction (ADC) as Non-Major

DISCIPLINE SPECIFIC CORE COURSE – DSC-4-ADC: BASIC PATTERN MAKING AND CLOTHING CONSTRUCTION

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit distribution of the course			Eligibility Criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Basic Pattern Making and Clothing Construction	4	2	0	2	Class XII Pass	NIL

Learning Objectives:

1. To introduce students to basic concepts of Body measurements and pattern making
2. To equip the students with the knowledge of pattern layout, fabric cutting, garment sewing and assessing fit in a garment.

Learning Outcomes:

After completion of the course, the students will be able to:

1. Take measurements from body and garments accurately.
2. Create patterns of simple women's clothes and apply the pattern information correctly.
3. Operate a sewing machine for simple sewing tasks using the correct thread, needle and stitch length for various fabrics.
4. Use various types of seams and seam techniques during garment construction
5. Apply concept of fit, evaluate garment fit and do pattern alterations as necessary.

SYLLABUS OF DSC-2

Theory:

Unit 1: Body Measurements and Pattern Making

(10 Hours)

- *Unit Description:* This unit introduces the students to the process of taking measurements from body or garment and developing basic blocks for creating garment patterns. It also provides an

understanding of the different types of patterns as well as using the symbols and markings mentioned on a pattern correctly.

- *Sub Topics:*
 - Importance of Body measurements, Body Landmarks, Correct procedure of taking body measurements, size charts, Taking measurements from Garments
 - Garment Ease - type and amount in different garments
 - Basic Blocks and their importance
 - Methods of pattern development: Drafting, Flat pattern making, Draping
 - Types of paper pattern - Commercial pattern, Graded pattern, Production pattern
 - Pattern information and marking symbols and their importance

Unit 2: Sewing Machines

(8 Hours)

- *Unit Description:* This unit provides the essential knowledge required for operating and maintaining a sewing machine for garment construction.
- *Sub Topics:*
 - Classification of Sewing machines
 - Components of a Basic Sewing machine and their functions
 - Introduction to Industrial sewing machines- single needle lock stitch, overlock, blind stitching, button hole and button stitching, bartacking
 - Sewing defects and remedies
 - Care and maintenance of a sewing machine, precautions while working on a sewing machine
 - Selection of threads, needles and stitch length for various fabrics

Unit 3: Sewing Techniques and Garment Fit

(12 Hours)

- *Unit Description:* This unit imparts knowledge of seam categories and seam techniques. It also deals with the concept of garment fit and correcting fitting problems through pattern alteration.
- *Sub Topics:*
 - Garment Support Fabrics (Lining, Underlining, Interlining, Interfacing) – their use and selection
 - Basic seam categories- super imposed seam, lapped seam, bound seam, flat seam, decorative seam, ridge seam
 - Additional seam techniques: clipping, notching, grading, trimming, easing, under stitching, stay stitching, trimming a corner
 - Finishing of straight & curved edges- self finish, crossway strips, bias facing, bias binding, shaped facing, self-finishing, casings and finishing with trims
 - Elements of Fit: line, ease, grain, set and balance
 - Fit evaluation, Common fitting problems and pattern correction

Practical: 60 Hours

Unit 1: Development of Basic Blocks and design variations

(20 Hours)

- *Subtopics:*
 - Adult women's bodice block, sleeve block, skirt block

- Developing design variations in adult skirt- A-line, flared, wrap-around, pleated, skirt with yoke

Unit 2: Seams and Garment Construction

(40 Hours)

- *Subtopics:*

- Samples of Seams – Plain Seam, French seam, Run-n-fell seam, Lapped seam, Top stitching, Bound/Piped seam, Slot seam, Curved and Corner seam
- Necklines and their finishing: bias facing, bias binding, shaped facing
- Adaptation of basic blocks to construct Saree blouse, Kurti/Kameez, Skirt
- Construction of lower garments: Salwar/ Churidar, Palazzo

Essential Readings:

1. Armstrong, H.J., (2009), Pattern Making for Fashion Design, Harper Collins Publishers Inc., New York.
2. Brown, P. and Rice, J., (1998), Ready-to-wear Apparel Analysis, Prentice Hall
3. Colton V. (1995). Reader's Digest- Complete Guide to Sewing. New York: The Reader's Digest Association, Inc.
4. Knowles A. (2006). Patternmaking for Fashion Designers. New York: Fairchild Publications Inc.
5. Liechty, E.G., Potterberg, D.N., Rasband, J.A., (2010), Fitting and Pattern Alteration: A Multimethod Approach, Fairchild Publications, New York

Suggested Readings:

1. Kallal, M. J., (1985), Clothing Construction, Macmillan Publishing Company, New York
2. Kindersley D. (1996). The Complete Book of Sewing. London: Dorling Kindersley Limited.
3. MacDonald M. (2009). Principles of Flat Pattern Design (4th Edition). New York: Fairchild Publications Inc
4. Stamper, A.A., S. H. Sharp and L.B. Donnell, (1986), Evaluating Apparel Quality, Fairchild Publications, America

Note: Examination scheme and mode shall be as prescribed by the Examination Branch, University of Delhi, from time to time.