

Bachelors in Arts with With Community Science
Category-V

**DISCIPLINE SPECIFIC ELECTIVE COURSE – DSE-FAS 4-HSC:
APPAREL DESIGN AND CONSTRUCTION**

CREDIT DISTRIBUTION, ELIGIBILITY, PRE-REQUISITES OF THE COURSE

Course Title & Code	Credits	Credit distribution of the course			Eligibility Criteria	Prerequisite of the course
		Lecture	Tutorial	Practical		
Apparel Design and Construction	4	2	0	2	Class XII	Pattern making for garment construction

Learning Objectives

- To introduce students to the structural, functional, and aesthetic elements of garments
- To develop foundational competence in apparel construction techniques
- To equip students with skills to evaluate ready-made garments

Learning Outcomes

The students would be able to:

- Identify and analyse structural garment components and their functional and aesthetic variations.
- Describe the functional requirements and design considerations of self-help garments and maternity wear.
- Select and apply appropriate seams, edge finishes, and support materials for professional garment construction.
- Explain and demonstrate appropriate construction and handling techniques for various special fabrics.
- Interpret garment labels and explain their relevance to use and care.
- Evaluate ready-made garments using standard criteria.
- Execute garment construction techniques, including seams, finishing methods, and component development, with technical accuracy.
- Apply appropriate techniques to construct a complete garment.

THEORY
(Credits 2; Hours 30)

UNIT I: Garment Components and Design Variations

10 Hours

This unit introduces the structural elements of garments and explores their functional and aesthetic variations. It also addresses design adaptations for specific user needs.

- Classification, types, and evaluation of garment components: necklines, collars, sleeves, yokes, pockets, plackets
- Design variations: bodices, skirts, and trousers
- Inclusive and adaptive Clothing: self-help garments and maternity wear - functional requirements and design considerations

UNIT II: Apparel Construction Techniques

6 Hours

This unit develops foundational knowledge of garment construction processes, seam applications, finishing methods, and fabric-specific handling techniques.

- Trimmings and garment support materials - lining, underlining, interlining, interfacing: selection and application
- Seam classification: superimposed, enclosed, lapped, bound, flat, and decorative
- Techniques for constructing straight, curved, and cornered seams: clipping, notching, grading, balancing, trimming, under-stitching, stay-stitching, easing, corner finishing
- Edge treatments of straight & curved edges: self-finish, facing and binding applications, casings, and decorative trims

UNIT III: Handling of Speciality Fabrics

8 hours

This unit focuses on the characteristics, selection, preparation, layout, cutting, and construction techniques required for handling specialty fabrics.

- Definition and classification of speciality fabrics
- Handling Speciality fabrics
 - Sheer and Lightweight Fabrics
 - Slippery Fabrics
 - Napped, Pile and Directional Fabrics
 - Heavy and Structured Fabrics

UNIT IV: Ready-Made Garment Quality Evaluation

6 Hours

This unit introduces quality assessment in apparel products and familiarises students with evaluation standards.

- Garment labels: Significance, types, with emphasis on care labelling
- Evaluating ready-made garments: overall appearance, fabric, fit, workmanship, finishing, and price

PRACTICAL (Credits 2; Hours 60)

1. Preparation of seam samples: French seam, run-and-fell seam, lapped seam, bound/piped seam, curved seam, and corner seam
2. Neckline finishing techniques: Bias binding, Bias facing, Shaped facing
3. Sample Development of design variation of garment components: Sleeve, Collar, Placket, Pocket
4. Development of one garment applying appropriate construction and finishing techniques

Essential Readings

UNIT I

This unit introduces the structural elements of garments and their functional as well as aesthetic significance in apparel design. It covers classification, types, and evaluation of garment components such as necklines, collars, sleeves, yokes, pockets, and plackets. The unit also explores design variations in bodices, skirts, and trousers, enabling students to understand how basic garment structures can be modified to create diverse styles while maintaining balance and proportion.

- **Aldrich, W.** (2008). *Metric Pattern Cutting for Women's Wear*. Wiley-Blackwell
- **Armstrong, H. J.** (2025). *Pattern Making for Fashion Design*. 5th Edition. HarperCollins Publishers.
- **Brown, P., & Rice, J.** (1998). *Ready-to-wear Apparel Analysis*. Prentice Hall.
- **Mohan, R., Sareen, S., & Gupta, N. (Eds.).** (2023). *Fundamentals of Apparel Design & Construction: Introduction to Garment Components*. Indu Book Services.

UNIT II

This unit develops foundational knowledge of garment construction processes and finishing techniques. It includes seam classifications, edge finishes, application of trimmings and support materials such as lining and interfacing, and techniques for constructing straight, curved, and cornered seams. Emphasis is placed on precision, durability, and professional finishing standards in apparel production.

- **Doongaji, S., & Deshpande, R.** (1988). *Basic processes and clothing construction*. Raj Publications.
- **Mohan, R., Sareen, S., & Gupta, N. (Eds.).** (2023). *Fundamentals of Apparel Design & Construction: Sewing Tools and Techniques*. Indu Book Services.
- **Schaeffer, C. (2003).** *Sew Any Fabric*. Krause Publications.

UNIT III

This unit focuses on the characteristics and behaviour of specialty fabrics such as sheer, slippery, stretch, napped, pile, and heavy fabrics. It addresses fabric-specific layout planning, marking, cutting, stitching techniques, and appropriate needle and thread selection. The unit equips students with practical skills to manage construction challenges and prevent defects while working with delicate or complex materials.

- **Colton, V.** (1995). *Reader's Digest Complete Guide to Sewing*. The Reader's Digest Association
- **Solinger, J.** (1988). *Apparel manufacturing handbook: analysis, principles and practice*.
- **Schaeffer, C. (2003).** *Sew Any Fabric*. Krause Publications.

UNIT IV

This unit introduces quality assessment standards in the ready-made garment industry. It covers garment labelling, with emphasis on care labelling and consumer information, and criteria for evaluating apparel products based on fabric quality, fit, workmanship, finishing, durability, and price. The unit enhances students' ability to critically assess market-ready garments using established quality parameters.

- **Brown, P., & Rice, J.** (1998). *Ready-to-wear Apparel Analysis*. Prentice Hall.
- **Mehta, P. V., & Bhardwaj, S. K.** (1998). *Managing quality in the apparel industry*. New Age International.

Suggested Readings

- **Kallal, M. J.** (1985). *Clothing Construction*. Macmillan Publishing Company.
- **Mansfield, E. A., & Lucas, E. L.** (1974). *Clothing Construction*. Houghton Mifflin.
- **Stamper, A. A., Sharp, S. H., & Donnell, L. B.** (1986). *Evaluating Apparel Quality*. Fairchild Publications.

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