

DISCIPLINE SPECIFIC ELECTIVE
DSE HH 4D1: Pattern Making and Construction

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the Course (if any)
		Lecture	Tutorial	Practical/ Practice		
Pattern Making and Construction	4	2	0	2	XII Pass	Appeared in Fashion Studies

Learning Objectives

- To learn the techniques of pattern making and to judiciously decide the technique required for various designs
- To be able to develop pattern making skills for various garment components
- To be proficient in making patterns in a variety of styles for women's garments

Learning Outcomes

- To understand the use and apply the knowledge of tools and terminology used in pattern making the various pattern making tools and its terminology.
- Apply the principles of pattern making for basic upper and lower slopers, sleeves, collars and dresses
- Manipulate the basic slopers to create design variations
- Assemble and complete a dress with all its components
- To develop a keen eye for assessing fit in clothes

SYLLABUS OF HH 4D1

THEORY
(Credits 2; Hours 30)

UNIT I: Pattern Making: Tools and Methods

6 Hours

- This unit enables the students to understand use and apply the knowledge of tools and terminology used in pattern making the various pattern making tools and their terminology also include the various principle and rules of pattern making.
 - Terms and tools for pattern making
 - Various software for pattern making
 - Drafting
 - Flat pattern making
 - Dart manipulation
 - Added fullness

- Contouring
- Rules of pattern making

UNIT II: Pattern making for women's wear

18 Hours

This unit helps the students to apply the principles of pattern making for basic upper and lower slopers, sleeves, collars and dresses.

- Development of Basic bodice block, Sleeve block and Skirt block
- Bodice variations: Double darts & multiple darts, Dart cluster, Princess line, Empire line-incorporating appropriate Placket and Pocket
- Sleeve variations: Leg-o-mutton, Petal, Bell, Circular, Shirtmaker
- Collar variations: Peter pan on altered neckline, Partial peter pan, Mandarin, Stand and fall-One piece and Two pieces
- Skirt and waistband variations: A-line, Flared, Gathered, Pleated
- Developing the Torso block: Boxy, Fitted and Semi-fitted

UNIT III: Design and Fit

6 Hours

Unit Description: This unit helps to recognize the concept of fit and acquire designing skills for the different figure.

- Body shapes
- Designing for different figure types
- Fit: Fitting area, fitting guidelines, fitting procedure, fitting problem and remedies
- Factors affecting fit, line, ease, grain, set and balance

PRACTICAL (Credits 2; Hours 60)

UNIT I: Flat Pattern making:

In this unit, students will learn the development of basic bodice, sleeve, and skirt slopers along with their variations for women's wear

- Developing basic bodice, sleeve, and skirt slopers
- Developing variations in bodices: Double darts & multiple darts, Dart cluster, Princess line, Empire line
- Yoke variations: basic front & back yoke, back yoke inverted box pleat, added fullness/gathers
- Sleeve variations: Leg-o-mutton, Petal, Bell, Circular, Shirtmaker
- Collar variations: Peter pan on altered neckline, Partial peter pan, Mandarin, Stand and fall (One piece and Two pieces)
- Skirt variations: A-line, Flared, Gathered, Pleated and Waistbands and waist facing
- Pockets and Plackets
 - Pocket: Applied, Inseam and slash
 - Plackets: shirt plackets, continuous wrap, wrap and projection and zipper attachments

UNIT II: Construction: Women's wear garment and its components

This unit equips the students to independently lay patterns, cut fabric and sew a garment

- Construction of a Tunic incorporating appropriate collar, sleeve, placket and pocket using the patterns developed in unit 1
- Construction of a Skirt with an appropriate waistband, zipper attachment using the patterns developed in unit 1

Essential Readings:

- Armstrong, H.J. (2009), *Pattern Making for Fashion Design*, Harper Collins Publishers, INC, New York. Chapter 1 pg. 1-22; Chapter 4, 5, 6, 7, 8 & 9
- MacDonald, Nora M. (2010), *Principles of Flat-Pattern Design*, Fairchild Books, New York. Chapter 5 & 6 pg. 117-182; Chapter 9 & 10 pg. 229-282
- Brown, P. and Rice, J. (2014) *Ready to Wear Apparel Analysis*, Fourth Edition. Pearson Education, India
- Mansfield, E. A. & Lucas, E. L., 1953, *Clothing Construction*, Chapter 3, pg 40-58
- Liechty, E.G., Potterberg, D.N., Rasband, J.A., 2010, *Fitting and Pattern Alteration: A Multimethod Approach*, Fairchild Publications, New York. Chapter 1 & 2 pg. 2-62; Chapter 4 pg 64-98
- Aldrich, W. (2008) *Metric Pattern Cutting for Women's Wear*, ISBN 10: 1405175672 / ISBN 13: 9781405175678, Wiley Blackwell Publication.

Suggested Readings:

- Dunham, G. R., (2021) *The Fitting Book: Make Sewing Pattern Alterations and Achieve the Perfect Fit You Desire*, ISBN: 9783033083745, Gina Renee Designs Publication, India
- Pepin, H., 1947, *Modern Pattern Design*, Funk and Wagnalls, USA
- Reader's Digest (Eds.). 2002, *New Complete Guide to Sewing*, Reader's Digest Association (Canada) Ltd. Montreal.
- Azad, N., (2019), *Sewing Technology*, Neelkanth Publishers Pvt. Ltd. India.

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