

APPAREL DESIGN & CONCEPTS

Marks: 150

THEORY

Marks : 100

Teaching Periods: 4 + 1 students' presentation / week

Objectives

1. To understand the human form with respect to clothing requirement
2. To develop sensitivity towards fabric and design selection for apparel
3. To familiarize with preparatory steps involved in garment construction

Contents

Periods

UNIT 1 Industrial machines, tools and equipment

12

- An overview of Indian Garment Industry
- Apparel classification and categories
- Industrial machines: spreading , marking cutting, fusing, sewing, work aids, pressing and finishing
- Detailed study of inter-relation-ship between fabric , thread (types and uses), needle (types and uses) , stitch length

UNIT 2 Garment Design

20

- Body measurement and Sizing: Body landmarks , importance of taking body measurements, how to take correct body measurements
- Garment silhouettes
- Ease in garments: types and amounts in different garments
- Study of garment components in detail : fabric, necklines, armholes, collars, sleeves, plackets, pockets, waistbands, hemlines,
- Trims and their applications,
- Linings and interlinings (types and their application)
- Disposal of fullness- Darts, tucks, pleats and gathers
- Designing of apparel for : age, climate , occasion, occupation, fashion and figure -
- Designing for people with special needs (maternity , lactation, People with special abilities)-

UNIT 3 Pattern making and Garment construction

24

- Importance of making patterns,
- Drafting basic block for self/ form: skirt (front and back)
- Flat patterning for skirts: Slash and spread and pivotal transfer
- Skirts and all its variations – basic skirt silhouettes (A-line, flared , circular, gathered, pleated, yoked, paneled, tiered, layered)
- Fabric preparation for cutting and stitching
- Laying patterns on fabric: types of layouts, layout on different fabric widths and types

- Industrial paper patterns; pattern information
- Marker development, Calculations of material requirements
- Planning garment assembly; upper garments, skirt and trousers
- Seams: basic sewing techniques (joining of equal and unequal length layers) decorative and enclosed seams on different fabrics
- Pockets: In-seam, applied pockets and slashed
- Fit: components, evaluating fit and quality standards for lower body and legs in women's wear and components in lower garments

Recommended Readings:

1. Gupta, Veena, Introductory manual for B.Sc. Home Science (2012), Elite Publishing House Pvt. Ltd.
2. Mary Jo Kallal (1986), Clothing Construction; Macmillan Publishing Co.
3. Reader's digest Complete guide to Sewing, Reader's digest ,(1997)
4. Stamper, A.A., S. H. Sharp and L.B. Donnell (1986) Evaluating Apparel Quality, Fairchild Publications, America

PRACTICAL

Marks: 50

Teaching Periods: 4/week

Objectives

1. To help develop skills in pattern making for women lower garments
2. To develop skills in garment construction

Content

Practical

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|---|----------|
| 1. Developing Patterns | 4 |
| <ul style="list-style-type: none"> • Taking body measurements • Demonstration of draping a skirt to introduce dart requirement concept • Development of a draft of a skirt • Develop patterns for skirt to a gathered, pleated, A- line, flared with waistband | |
| 2. Construction Processes | 4 |
| <ul style="list-style-type: none"> • Introduction to a sewing machine with a demonstration and practice of plain seam (straight and curved) • Suitable placket openings for skirts (even hem, wrap and projection and zipper) • Pockets in skirts : Inseam pocket, patch pockets | |
| 3. Garment Development | 6 |
| Construction of a skirt (from the developed patterns) for self with a zipper and in-seam pocket | |

PROJECT

Re-cycle – reuse :Develop one article from waste material/ new fibre.