

5.1 ADVANCED PATTERN MAKING - I

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RATIONALE

The students are supposed to perform the jobs of pattern maker when engaged in garment manufacturing. After going through this subject, students will be able to manipulate different darts and increase or decrease any pattern proportions

DETAILED CONTENTS

PRACTICAL EXERCISES

1. Lady's Shirts
 - Drafting of lady's shirt
 - Adaptation of the lady's shirt to various styles
 - Developing patterns of the various styles (3 styles)
2. Drafting of kalidar kurta and churidar pyjama
3. Developing patterns for
 - Lady's skirts
 - Lady's tops
 - Lady's nightwear
4. Lady's Trousers
 - Drafting of lady's trousers
 - Adaptation of lady's trousers to various styles
 - Developing patterns of the various styles (3 styles)
5. Drafting of Men's Shirt

RECOMMENDED BOOKS

1. Pattern Making for Fashion design by Helen Joseph Armstrong
2. The ABC's of Grading by Murray Sacher
3. Pattern Making for Fashion design by Armstrong
4. Basic Pattern Skills for Fashion Design by Bernard Zamkoff
5. Design Apparel Through the Flat Pattern by Ernestine Kopp

5.2 GARMENT CONSTRUCTION - V

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RATIONALE

The diploma holders in fashion technology are suppose to fabricate the garments so it is very essential that they should be able to fabricate various garments as per the layouts and specifications. Hence this subject has been included in the curriculum in order to develop such competencies.

DETAILED CONTENTS

Practical Exercises

1. Construction of lady's salwar kameez
2. Construction of lady's kalidar kurta and churdiar pyjama
3. Construction of lady's saree blouse
4. Construction of lady's lehnga choli
5. Construction of gent's shirt

RECOMMENDED BOOKS

1. Pattern Making for Fashion design by Armstrong
2. Clothing Construction by Doongaji; Raj Parkashan, Delhi
3. System of Cutting by Zarapkar
4. Clothing Construction by Evelyn A Mansfield, Hougutan Miffin Co., Boston
5. Creative Sewing by Allynie Bane; McGraw Hill Book Co., Inc., New York
6. How You Look and Dress by Byrta Carson; McGraw Hill Book Co., Inc., New York

5.3 CAD IN FASHION TECHNOLOGY - I

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RATIONALE

The term CAD has found its way into all major disciplines that have got anything to do with designing or drafting techniques.

This course focuses on the usage of computer graphics in achieving the results for Fashion Designing. It deals with various techniques that a designer uses to have an upper hand over manual designing through latest software.

The objective is to expose professionals and to meet the needs of the users by complementing their knowledge, skills, ability, creativity in the field of fashion to computer aided designing techniques, and their application in the industry. A lot of flexibility is available with the use of different software e.g. color blending, mixing, fabric construction, figure illustration, development of the motif and prints, background treatment, presentation, special effects can be simulated and printed out with absolute accuracy.

DETAILED CONTENTS

PRACTICAL EXERCISES

(Software: Use of Corel Draw and Photoshop)

1. Study in detail the different tools of Corel Draw and Photoshop
2. Create a composition of geometrical shapes in 8" x 8" block
3. Design a traditional and a contemporary motif
4. Draw 3 profiles of female flesh figures (front, back and side view)
5. Design a nursery print
6. Design an executive wear along with accessories
7. Drape a saree with masking effect
8. Pick up a costume worn by a famous fashion model. Scan his/her figure and redesign the texture and the color combination of the dress.
9. Design a mood/story board according to the selected theme (both paper and computer assignment)

10. Design a logo and create a brochure for your own label

Note: a) Reference from Indian and Foreign Libraries are required

b) Visits to designer workshops

c) Visits to fashion shows and exhibitions, fairs etc

d) Attend seminars regarding export promotion, industry strategies etc

e) Latest information through media

f) Personal interaction with the apparel industry people

RECOMMENDED BOOKS

Literature from the supplier of each software can be consulted

Corel Draw 9 – BPB Publication

Adobe Photoshop 5.5 - BPB Publication

5.4 PRODUCTION MANAGEMENT AND QUALITY CONTROL

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RATIONALE

Diploma holders in fashion technology are required to assist for controlling production and quality of the garments on the shop floor. They are also required to supervise erection, installation and maintenance of equipment including material handling and undertake work-study for better utilization of resources. They are also required to lead a team of workers and motivate them towards realization of organizational objectives.

DETAILED CONTENTS

PART A: PRODUCTION MANAGEMENT

1. Introduction to Basic Production Terms (04 hrs)
 Production, productivity, work in process, time study, motion study, work study, ergonomics
2. Production Planning and Control (08 hrs)
 - Types of production processes, job, batch and mass production
 - Raw material planning and allocation
 - Process planning and process sheet
 - Methods of production control
3. Plant Layout and Material Handling (10 hrs)
 - Concept of plant layout
 - Types of layout (process, product and combination type) and their characteristics
 - Factors affecting plant layout
 - Methods of plant layout
 - Workstation design: Factors considered in designing a work station
4. Material Handling (08 hrs)
 - Introduction and functions of material handling
 - Material handling equipment – their selection
 - Safety requirements while using material handling equipment

PART B: QUALITY CONTROL

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| 5. | What is Quality | (04 hrs) |
| | <ul style="list-style-type: none"> - Need for quality control - Quality Control - Quality Assurance - Quality Standard | |
| 6. | What is Inspection | (06 hrs) |
| | <ul style="list-style-type: none"> - Different types of inspection - Various methods - Role of operation and inspector in inspection | |
| 7. | ISO – 9000 | (06 hrs) |
| | <ul style="list-style-type: none"> - Introduction to ISO 9000 system - What is ISO and related quality serials - Benefits of ISO 9000 - Cost distribution for ISO certification fees per garment | |
| 8. | Introduction to Quality Control concepts | (10 hrs) |
| | Accepted quality level (AQL); Total quality management (TQM) | |
| 9. | Major/minor defects classification and criteria of rejection/acceptance | (10 hrs.) |
| | Stain removal, washing, dry cleaning, ironing, labelling and packaging | |

LIST OF PRACTICAL

1. Analyzing test reports as per given specification of the buyer
2. Demonstration of basic fabric defects
3. Demonstration of sewing, finishing and packaging defects through a visit to an Industrial visit
4. Care label
 - a) Collection of wash care labels
 - b) Sketching and understanding of symbols

INSTRUCTIONAL STRATEGY

The teacher should take students to garment industries to show them various production processes and maintenance of quality of garments in the industry

RECOMMENDED BOOKS

1. Managing Quality by SK Bhardwaj and PV Mehta; New Age Publisher, Delhi
2. ISO 9000 –Textile Committee Manual

5.5 FASHION AND APPAREL MERCHANDIZING

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RATIONALE

Some diploma holders of fashion technology may find employment in export houses and apparel merchandizing agencies. After studying this subject the students will understand marketing in domestic and international markets and their quota systems. It focuses attention on apparel industry giving thorough knowledge of merchandizing.

DETAILED CONTENTS

1. Apparel Industry Profile (18 hrs)
 - 1.1 Current Indian export and India's position in the world apparel/textile market
 - 1.2 Apparel cluster along with their specialities – Mumbai, Chennai, Ludhiana, Delhi etc.
 - 1.3 Organizational structure of export house, buying houses and domestic companies
 - 1.4 Buyer classification and buying network in exports
 - 1.5 A basic profile of industry in far east, USA, Europe, Australia and ECE
 - 1.6 Understanding of the quota system and relevance of AEPC (Apparel Exports and Promotion Council)

2. Fashion merchandizing (12 hrs)
 - 2.1 Study of fashion principles, theories and fashion cycle and terminology
 - 2.2 Introduction to fashion marketing and merchandizing principles – retail, whole sale, boutique, designer - wear, couture, pret-o-porter (ready to wear), haute couture (hi-fashion)
 - 2.3 Study of domestic and international market – past, present and future scenario – evolution of fashion
 - 2.4 Economic social, environmental and political influences on fashion

3. Sourcing (22 hrs)
 - 3.1 Assignment based on the market survey within the local market for various fabrics, trims and accessories
 - 3.2 Factors in deciding fabrics, price, quality, lead time, factory suitability, fly accessibility
 - 3.3 Trim sourcing – buttons, beads, laces, labels, tags, packaging
 - 3.4 Costing Pricing – cost price, selling price, backward costing

Note: 3.1, 3.2, 3.3 and 3.4 should be covered with the market survey and theoretical inputs.

RECOMMENDED BOOKS

1. Fashion from Concept to Consumer
2. Fashion and Retail Merchandising
3. Inside the Fashion Business by Joonow, Jea
4. Fashion Merchandising by Stone, Ela
5. Ready to Wear Apparel Analysis by Petty and Brown