**ALAGAPPA UNIVERSITY, KARAIKUDI**

**SYLLABUS UNDER CBCS PATTERN (w.e.f.2016-20)**

**DIPLOMA IN FASHION TECHNOLOGY PROGRAMME STRUCTURE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Semester** | **Course** | | **Hrs./ Week** | **Marks** | | **Total** |
| **Subject code** | **Name** | **Int.** | **Ext.** |
| I | 6DFT1C1 | Introduction to Fashion Designing | 6 | 25 | 75 | 100 |
| 6DFT1C2 | Basic Sewing Machine Techniques | 6 | 25 | 75 | 100 |
| 6DFT1P1 | **Practical - I -** Fashion Illustration | 6 | **40** | **60** | 100 |
| 6DFT1P2 | **Practical – II** - Surface Ornamentation | 6 | **40** | **60** | 100 |
| 6DFT1P3 | **Practical- III** - Basic sewing Techniques and Kids wear | 6 | **40** | **60** | 100 |
|  | **Total** | | **30** | **--** | **--** | **500** |
| II | 6DFT2C1 | Textile Science | 6 | 25 | 75 | 100 |
| 6DFT2C2 | Apparel merchandising quality and cost control | 6 | 25 | 75 | 100 |
| 6DFT2P1 | **Practical – IV -** Garment construction Adult wear | 6 | **40** | **60** | 100 |
| 6DFT2P2 | **Practical – V -** CAD- Computer Aided Designing | 6 | **40** | **60** | 100 |
| 6DFT2PR | Industrial Internship | 15 Days | - | - | 100 |
|  | **Total** | |  | **--** | **--** | **500** |
|  | **Grand Total** | |  |  |  | **1000** |

**DIPLOMA IN FASHION TECHNOLOGY**

**I YEAR – I SEMESTER**

**COURSE CODE:** **6DFT1C1**

**INTRODUCTION TO FASHION DESIGNING**

**UNIT- I - FASHION**

Meaning of Fashion, Origin of Fashion, Meaning of Fashion Designing, Classification of Fashion, Influence of Fashion, Fashion cycle and Fashion theory, Fashion forecasting, National and International fashion designers – Any five.

**UNIT- II - DESIGN AND ITS ELEMENTS**

Design –Definition, Types- Structural and Decorative Design, Application of Structural and Decorative Design in the Dress. Elements of Design -Line, Shape or Form, Color, Size and Texture.

**UNIT - III - PRINCIPLES OF DESIGN, ACCESSORIES & TRIMMINGS**

Principles of Design – Balance, Rhythm, Harmony, Emphasis and Proportion. Fashion Accessories- Shoes, Hand Bags, Hats and Tie. Trimmings and Decorations - Lace, Ric Rac, Appliqué, Embroidery, Smocking, Belts and Bows, Ruffles, Patch work and Quiliting.

**UNIT - IV - COLOURS**

Colours – Importance. Dimensions of colour- Value, Hue, Intensity. Colour Theory – Prang colour. Colour Harmonies - Monochromatic, Analogus, single Complimentary, Double Complimentary, Split Complimentary, Traid. Cool Colours and Warm Colours.

**UNIT - V - FIGURE IRREGULARITIES**

Designing dress for unusual figures becoming and unbecoming, for the following Figure Types - Stout Figure, Thin Figure, Narrow Shoulders, Broad Shoulders, Round Shoulders, Large Bust, Flat Chest , Large Hip, Large Abdomen, Round Face, Large Face, Small Face, Prominent Chin and Jaw and Prominent forehead .

**Book for References:**

1. Khurana and Sethi, Introduction to Fashion Technology, Fire Well Publication, New Delhi, 2007.
2. Gupta Et Al, Text Book of Clothing and Textiles and Laundry, Kalyani Publishers, New Delhi, 2005.
3. Mary Mathews, Practical Clothing Construction-Part I, Cosmic Press, Chennai, 1997.
4. Pundir. N, Fashion Technology Today and Tomorrow, Mittal Publication, New Delhi, 2007.
5. Narang, Hand Book of Fashion Technology, Asia Pacific Business Press Inc, New Delhi.

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**I YEAR – I SEMESTER**

**COURSE CODE:** **6DFT1C2**

**BASIC sEWING TECHNIQUES AND PATTERN MAKING**

**UNIT - I - SEWING EQUIPMENT**

Sewing machines- parts and their function, care and maintenance. Tools for measuring, marking, cutting & pressing. Selection of thread and needle for various types of fabric.

**UNIT - II - SEAMS AND FULLNESS**

Seam Definition, type of seams, seam finishes. Fullness: Definition, Types of fullness – Darts, Tucks, Pleats, flares, godets, gathers, shirrs & frills.

**UNIT - III - SLEEVES, SKIRTS AND NECK FINISHES**

Sleeves Classification of sleeves, types of sleeves- plain, puff sleeve, bell, bishop, circular, kimono & raglan. Skirts: Different types of skirts. Bias - Definition, Neckline finishes

**UNIT - IV - YOKES, COLLARS AND PLACKETS**

Collars – definition, parts of collar, factors to be considered in designing collar, classification of collar. Yoke – definition, selection of yoke design, different types of yokes. Plackets Definition and classification of plackets.

**UNIT - V - PATTERN MAKING**

Body measurements, pattern making – Drafting, draping - Preparing pattern for basic bodice, sleeve and skirt pattern. Commercial pattern. Fabric preparation, Lay planning, types of layout. Grading and its importance.

**Books for References:**

1. Mary Mathews, Practical Clothing Construction Part-II. Designing, Drafting and Tailoring Bhattarams Reprographics (P) Ltd., Chennai 2001
2. Zarapkar K.R, System of Cutting, Navneet Publications India 2005
3. Hilary Campbell,” Designing Patterns Om Book Services, New Delhi, 2003.
4. Helen Joseph-Pattern Making for Fashion Design, Armstrong Pearson Education, Delhi, 2000.
5. Mary Mulasi, Garments with style, Chiton Book Company,Pennsylvania,1995.

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**I YEAR – I SEMESTER**

**COURSE CODE: 6DFT1P1**

**PRACTICAL – I - FASHION ILLUSTRATION**

**PREPARE SKETCHES FOR THE FOLLOWING**

1. Introduction to free hand drawing and shading
2. Fashion Figure 8 head theory - Stick and fleshy figure
3. Facial features- Eyes, nose, lips, ears.
4. Different postures - Face, Hands, Legs
5. Different for Hairstyles
6. Different poses of fashion figure (women and men).

**DRAW & SHADE THE FOLLOWING WITH SUITABLE SHAPE &SIZE**

1. Different types of Collars
2. Different types of sleeves
3. Different types of Necklines.
4. Different types of Skirts.
5. Different types of Ladies Tops and shirt
6. Different types of Pant (full and half).
7. Illustrate figures for Casual and formal wear (women and men).
8. Illustrate figures for Stylish wear (women and men).
9. Different types of Accessories-Bags, Foot wear, Hats.

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**I YEAR – I SEMESTER**

**COURSE CODE: 6DFT1P2**

**PRACTICAL - II - SURFACE ORNAMENTATION**

**I. EMBROIDERY STITCHES**

1. Running Stitch.
2. Back Stitch.
3. Chain stitch and its types.
4. Fern Stitch.
5. Stem Stitch.
6. Lazy Daisy Stitch.
7. Blanket (or) Button Hole Stitch.
8. Satin.
9. French Knot.
10. Bullion Knot.
11. Feather – Double Feather Stitch.
12. Herring bone.
13. Cross Stitch.

**II. Other surface Embroidery**

1. Cut work.
2. Mirror work.
3. Applique / Patch.
4. Zardosi.
5. Sequence.

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**I YEAR – I SEMESTER**

**COURSE CODE: 6DFT1P3**

**PRACTICAL – III - BASIC SEWING TECHNIQUES & KIDSWEAR**

1. Preparation of samples for Seams and Seam Finishes – Any five.
2. Preparation of samples for Hems – Any three.
3. Preparation of samples for Fullness. – Dart, Tuck, pleat, Machine gathers - Single and Double ruffle.
4. Preparation of samples for bias binding and shaped facing.
5. Preparation of samples for Plackets - Continuous and two piece placket.
6. Preparation of samples for Sleeves - Plain Sleeve, Puff Sleeve (any one type) and raglan sleeve.
7. Preparation of samples for yoke, yoke with fullness . Collar –Peterpan collar and shirt collar.
8. Preparation of samples for Pocket – Patch and Side Seam pocket.
9. Preparation of basic kids garments – Jabla, Knicker and A-line frock/ Summer frock.

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**I YEAR - II SEMESTER**

**COURSE CODE: 6DFT2C1**

**TEXTILE SCIENCE**

**UNIT - I - FIBRES CLASSIFICATION**

Introduction to Fibers - Classification of Textile Fibers- Natural and Manmade fibers. Natural fibers - Cotton, Linen, Silk, Wool. Regenerated fibers- Viscose Rayon. Manmade fibers- Nylon, Polyester, Acrylic. Introduction to recent fibers.

**UNIT - II - SPINNING TECHNOLOGY**

Spinning - Definition, methods of spinning - mechanical spinning - Blending, Opening, Cleaning, Doubling, Carding, Combing, Drawing, Roving, Spinning. Chemical Spinning – wet, dry and melt. Yarn –Definition, classification of yarn – simple and Novelty yarns and its uses. Yarn numbering system, Novelty yarns and its uses, Yarn twist.

**UNIT - III - WEAVING AND KNITTING**

Weaving – Definition, Parts and functions of loom – Primary and secondary motions of a loom. Elements of Weaving – Design, Draft and Peg Plan. Basic Weaves – Plain, Twill, and satin. Fancy weaves. Knitting Definition - Classification of warp and weft Knitting. Structures of warp and weft knitting.

**UNIT - IV - NONWOVEN TECHNIQUES AND DYEING**

Nonwoven - Nonwoven techniques – bonding, Needle punching, fusing, Netting, Felting, Braiding. Basic preparatory process for dyeing - Desizing, Scouring, Bleaching. Dyes classification – Natural and chemical dyes – Acid, Basic, Direct, Reactive, Vat, Sulphur, Disperse. Stages of dyeing.

**UNIT - V - BASIC FINISHES AND PRINTING TECHNIQUES**

Finishing- Calendaring, glazing, singeing, embossing and biopolishing. Printing – styles of printing – types- block print, screen print, roller print, Tie and dye, batik, Photo print. Recent development in printing.

**Books for References:**

1. Corbman .B.P, Textile Fiber To Fabric, Third Edition, International Students Edition, Mc Graw Hill Book Co, Singapore, 1985.

2. S. P. Mishra, A Text Book of Fiber Science and Technology, New Age International

(P) Ltd, New Delhi, 2005

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**I YEAR – II SEMESTER**

**COURSE CODE: 6DFT2C2**

**APPAREL MERCHANDISING, QUALITY AND COST CONTROL**

**UNIT - I -** **MERCHANDISING**

Merchandising - Definition, Merchandising as Business Function - Role of Merchandiser Evolution of Merchandising in Apparel Industry , Merchandising Organization, Buying Preparation, National Brands vs Private Labels.

**UNIT - II-** **MERCHANDISING PRESENTATION**

Merchandising Presentation - Principles of Merchandising Presentation, Placement of Merchandise, Categories of Merchandise Presentation, Dominance Factors in Merchandising Presentation, Cross Merchandising.

**UNIT - III -** **VISUAL MERCHANDISING**

Definition, Function, Significance of Display, Types of Displays- Window Displays, Interior Display, Exterior Display, Elements of Display.Fashion show-Definition, Planning, Budgeting, location, Timings, Selection of Models, Collection, Set Design and Music.

**UNIT -IV** – **QUALITY CONTROL**

Definition and Scope of Quality Control – Establishing Merchandising Standards – Establishing Raw Material Quality Control specifications – Quality Control of Raw Material. Inspection, definition as per 4 point &10 point systems. Final inspection and its specification as per AQL standards . basic concepts of TQM .

**UNIT -V - COST CONTROL**

Function of Cost Control: Types of Costs and Expenses – Apparel Manufacturing Cost Categories – Sales Cost Control – Purchasing Cost Control – Production Cost Control – Administration cost control – Cost Ration Policies – the manufacturing Budget – Cash flow Control – Standard Cost Sheet, Break–Even Charts.

**Books for References:**

1. Sodia and Chatley, Fashion Marketing and Merchandising, Kalyani Publication, New Delhi, 2008.
2. Frings, Fashion from Concept to Consumer, Seventh Edition, Dorling Kindersley Publishing Inc, India, 2008.

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**I YEAR – II SEMESTER**

**COURSE CODE: 6DFT2P1**

**PRACTICAL – IV - GARMENT CONSTRUCTION – ADULT’S WEAR**

**I. Design, Draft and construct the following garments**

1. Saree Petticoat.
2. Salwar Kameez.
3. Nightie.
4. Blouse.

**II. Design, Draft and construct the following garments**

1. T-Shirt /Shirt.
2. S.B.Vest.
3. Pant.
4. Nehru Kurta.

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**I YEAR – II SEMESTER**

**COURSE CODE: 6DFT2P2**

**PRACTICAL – V - CAD- COMPUTER AIDED DESIGNING**

1. Introduction, tools application of software.
2. Development of motif - Natural, stylized, Geometric and its Colour application.
3. Create different types of design from the developed motif.
4. Different types of pattern – Border pattern, Brick pattern, Diamond pattern, ogee pattern.
5. Create different textures and patterns.
6. Developing different types of background.

7. Portfolio development for specific theme - Prepare theme board, colour board,

customer focus and Design collection.

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**I YEAR – II SEMESTER**

**COURSE CODE:** **6DFT2PR**

**INDUSTRIAL INTERNSHIP**

The main objective of an internship is to expose students to a particular job and a profession or industry. The students are needed to attend 15 days internship training in any Textile related industry. At the end of the internship, the student should submit a comprehensive Project Report and produce a certificate of internship from the organization. The evaluation of Industrial Internship is 100 marks which will be given by the Department itself based on the following criteria:

1. Performance of the students in the Viva-voce.
2. Project Report.
3. Performance of the students in the Internship training (in consultation with the Internship Industry personnel).

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