

DIPLOMA IN APPAREL DESIGNING

This course enables the students to appreciate the concepts of design. It creates new avenues in higher studies as well as in future career options.

**Eligibility:** Female candidates completed XII standard or equivalent.

**Duration of the course:** Two semesters

Revised evaluation pattern followed from 2023 batch onwards is presented.

**From 2023 batch onwards**

Sem .	Course Code	Course Title	Course Type	Hrs./ Wk.		Cr.	New / Revised course	% of revision	Passed in AC	Offered to	Offered by
				TH	LA						
I	DAD1001	ACCESSORIES MAKING I	LA		5				BE2020	UDADG	FDS
	DAD1002	FASHION DESIGNING	LT	2	3				BE2020	UDADG	FDS
	DAD1003	FASHION SURFACE ORNAMENTATION	LT	2	3				BE2020	UDADG	FDS
	DAD1004	BASICS IN SEWING PROCESS	LT	2	3				BK2022	UDADG	FDS
	Total			20							
II	DAD2001	COMPUTER AIDED DESIGN	LA		2				BE2020	UDADG	FDS
	DAD2002	ACCESSORIES MAKING II	LA		3				BE2020	UDADG	FDS
	DAD2003	GARMENT CONSTRUCTION	LT	2	3				BE2020	UDADG	FDS
	DAD2007	FABRIC KNOWLEDGE FOR DESIGNERS	TH	5			revised	63%	BK2022	UDADG	FDS
	DAD2008	PORTFOLIO PRESENTATION	LA		5		revised	32%	BK2022	UDADG	FDS
	DAD2006	INTERNSHIP							BE2020	UDADG	FDS
	Total			20							

DAD1001 ACCESSORIES MAKING I  
(LAB)

COURSE OUTCOME: 5hrs. / wk.

On successful completion of the course, the student will be able to

- select appropriate material for making accessories
- develop designs for specific type of accessories
- combine different type of components.

## **COURSE CONTENT:**

### **LIST OF EXPERIMENTS:**

#### **1. CLAY JEWELLERY**

**20hrs.**

- a) Necklace
- b) Bangles
- c) Earrings
- d) Bracelets\

#### **2. ARTIFICIAL JEWELLERY**

**20 hrs.**

- a) Necklace
- b) Long chain
- c) Bangles
- d) Hip chains
- e) Anklets

#### **3. SILK THREAD JEWELLERY**

**20 hrs.**

- a) Bangles
- b) Necklace
- c) Earring

## **DAD1002 FASHION DESIGNING**

**(LAB CUM THEORY)**

### **COURSE OUTCOME:**

**2T + 3L hrs. /wk.**

On successful completion of the course, the student will be able to

- illustrate principles and elements of design
- relate the importance of color in the fashion world
- analyze fashion concepts
- compare the marketing strategies
- assess the product development cost and price of the garment

### **COURSE CONTENT:**

#### **UNIT I: PRINCIPLES AND ELEMENTS OF DESIGN**

**4T +8L hrs.**

Introduction to elements of design – types of lines – shapes – textures – forms & space – introduction to principles of design – balance – proportion – rhythm – radiation – gradation – emphasis of the design & harmony of the design – unity & variety

#### **UNIT II: COLOR ASPECTS**

**4T +8L hrs.**

Color theory – primary – secondary – tertiary colors – color scheme – color dimensions – warm and cool colors – tints – shades – psychology of color on dress – application of color on dress – illusion created by color – color harmony.

#### **UNIT III: FASHION CONCEPTS**

**4T +8L hrs.**

Fashion season – fashion cycle – adaptation of fashion – trickle up- trickle down-trickle across fashion diffusion – fashion forecast

#### **UNIT IV: APPAREL MARKETING INTRODUCTION**

**4T +8L hrs.**

Fashion Market – marketing environment – micro and macro environment – marketing mix (4 p's theory)

#### **UNIT V: FASHION MERCHANDISING**

**4T +8L hrs.**

Fashion merchandising – materials for product development – costing and pricing of garments

## LIST OF EXPERIMENTS:

1. Steps to draw a figure
  - Stick figure front and back view (8 head and 10 head)
  - Block figure front and back view (8head and 10 head)
  - Flesh figure front and back view (8head and 10 head)
2. Prang colour chart
- 3 Value chart, intensity chart
- 4 Techniques in creating textures
5. Application of Elements of Design in a garment with a theme
  - Line
  - Colour
  - Texture
6. Application of Principles of Design in a garment with a theme
  - Balance in dress
  - Harmony in dress
  - Emphasis in dress
  - Proportion in dress
  - Rhythm in dress

## REFERENCE BOOK(S):

Bryta Cars, (2005). *How You Look and Dress*, Singapore: McGraw Hill Book Co. Print.

Frank Alvah, (1920). *The Psychology of Dress*, Double Day page & Co. Print.

Goldsten Houghton, (1934). *Art in Everyday Life*, London: Mifflin. Print.

Grace Margaret, (1943). *The Arts of Costume & Personal Appearance*, London: John Wiley & Sons. Print.

Ruthtone and Tarplay Houghton, (1931). *Fabrics and Dress*, Mifflin. Print.

## DAD1003 FASHION SURFACE ORNAMENTATION

(LAB CUM THEORY)

### COURSE OUTCOME:

2T + 3L hrs./wk.

On successful completion of the course, the student will be able to

- relate various types of designs
- interpret various hand embroidery stitches
- apply various decorative embroidery techniques
- explain traditional design techniques
- analyze the machines used for different surface ornamentation techniques

### COURSE CONTENT:

#### UNIT I: DESIGN DEVELOPMENT

4T + 8L hrs.

Types of Design-Introducing repeats on fabrics and garments – Types of repeats

#### UNIT II: HAND EMBROIDERY

4T + 8L hrs.

Hand embroidery stitches –. Line Stiches- running – back stitch – stem stitch – button hole stitch with one variation - Loop stitches chain stitch with one variation – lazy daisy stitch - Filling stitch – Fish bone – Satin and Long and short satin – Seed stitch – Herring bone stitch and its variation – Double Herring bone stitch - Knot Stitch – French Knot – Bullion Knot

**UNIT III: OTHER DECORATIVE TECHNIQUES****4T + 8L Hrs.**

Smocking – mirror – bead – sequins work – single hanging – continuous – overlap – chain with sequins – applique – zardozi work

**UNIT IV: TRADITIONAL DESIGN TECHNIQUES****4T + 8L Hrs.**

Batik and its variations – crack method – marbling batik – free hand -tie and dye techniques – sun burst – diagonal -three circle pattern

**UNIT V: MACHINES USED FOR FABRIC ORNAMENTATION****4T + 8L Hrs.**

Latest machine used for all techniques in surface ornamentation – embroidery machine – stone fixing machine – rotary printing machine – screen printing – block printing.

**LIST OF EXPERIMENTS:**

1. Hand embroidery – 20 stitches – 10 samples
2. Appliqué (machine / hand) – 3 types
3. Smocking – 2 types
4. Bead Work – 1 sample
5. sequins work – 1 sample
6. Mirror work – 1 sample
7. Tie and Dye
8. Batik print

**DAD1004 BASICS IN SEWING PROCESS****(LAB CUM THEORY)****COURSE OUTCOME:****2T + 3L hrs.****/wk.**

On successful completion of the course, the student will be able to

- interpret the sewing machine parts and defects
- apply different measurements to draft a specific pattern with relevant seams
- construct various types of sleeves and collars
- design various types of yokes and fullness
- develop different types of plackets and pockets

**COURSE CONTENT:****UNIT I: SEWING TECHNOLOGY****4T + 8L hrs.**

- a. Introduction to sewing machine technology – safety rules care and maintenance
- b. Quality for sewing – selection of needles – sewing defects and methods to rectify – defects due to machine – bobbin – needle or fabric – bobbin winding and changing – bobbin tension adjustment.

**UNIT II: MEASUREMENTS AND PARTS OF GARMENT****4T + 8L****hrs.**

- a) Measurement – importance – method of taking – definition of various garment parts – Methods of making pattern – basic bodice pattern – child – women.
- b) Seams – definition – types of seams – plain seams – top seam – flat fell seam – french seam – lapped seam – slot seam — seam finishes –pinked seam– bias bound – Hem finishes

### UNIT III: SLEEVE AND COLLAR

4T + 8L hrs.

Construction of sleeve block – sleeve variation – plain – puff sleeve – petal sleeve – collar variations – one piece and two-piece peter pan collar – stand collar

### UNIT IV: YOKES AND FULLNESS

4T + 8L hrs.

Yokes – definition –Types of Yoke-chest yoke- midriff yokes – fullness – definition – types – darts – single – double – pointed darts – tucks – pin tucks – cross tucks – pleats – knife pleats – box pleats – godet – gathers – frill – single frill - double frills.

### UNIT V: PLACKETS AND POCKETS

4T + 8L hrs.

Plackets – two piece placket continuous bound placket – kurta plackets – fasteners – pockets – Patch pocket– set-inseam.

### LIST OF EXPERIMENTS:

Preparation of samples for

1. seam and seam finishes
2. hems
3. fullness
4. facing and binding
5. Sleeves
6. Yokes
7. flat collar – stand collar and rolled collars – peter pan collar
8. patch pocket – seam pocket

### REFERENCE BOOK(S):

David and Charles, (1993). *Reader's Digest Step-By-Step Guide to Sewing and Knitting* World of Book. Print.

Gerry Cooklin, (1992). *Master Patterns & Grading for Men's Outsize*, Blackwell Scientific Publications, and Print.

Gerry Cooklin, (1995). *Master Patterns & Grading for Women's Outsize*, UK: Blackwell Scientific Publications. Print.

Gillian Holman, (1997). *Pattern Cutting Made Easy*, UK: Blackwell Scientific Publications. Print.

Natalie Bray, (1986). *More Dress Pattern Designing*, UK: Blackwell Scientific Publications. Print.

## DAD2001 COMPUTER AIDED DESIGN

(LAB)

### COURSE OUTCOME:

2 hrs./wk.

On successful completion of the course, the student will be able to

- demonstrate skills in creating professional logos and visiting cards
- create dynamic graphics using drawing and editing tools, styles and templates
- design various types of text and images

### COURSE CONTENT:

**UNIT I: BASICS OF CORELDRAW X3****6 hrs.**

Introduction – getting started – creating a new file – title bar – menu bar – work area – printable page – property bar – page counter bar – color palette – toolbox – status bar – drawing figures – lines – ellipse – circles – rectangle – square – polygon – page layout – changing the page size – changing the layout – changing the background.

**UNIT II: DRAWING AND COLORING****8 hrs.**

Introduction – selecting an object – resizing an object – moving an object – changing the shape – combining two objects – skewing – welding the objects – blending – curve lines – straight lines – continuing a line – view mode – arranging objects – ordering objects – rotating an object – grouping – applying color fills and outline

**UNIT III: MASTERING WITH TEXT AND IMAGE****10hrs.**

Introduction – text tool – artistic and paragraph text – formatting text – changing the font size – changing the font – bullets – decorating the text – webdings – changing the alignment – type style – spell checking – grammar – searching synonyms – find – replace – editing – formatting characters – image – importing images – adding special effects – resizing – rotating – skewing – moving – cropping – bitmap conversion.

**REFERENCE BOOK(S):**

DT Editorial Services, (2017). *CorelDraw X7 in Simple Steps*, Delhi: Dreamtech press. Print.

Sharma M.C, (2008). *CorelDraw Graphics Suite X3 TrainingGuide*, BPB Publications. Print.

**WEBSITE(S):**

<https://www.youtube.com/watch?v=iKfFNtftpMU>

<http://product.corel.com/help/CorelDRAW/540229932/Main/EN/User-Guide/CorelDRAW-X7.pdf>

[http://gtu.ge/Arch/Faculty/Multimedia/Resources/2\\_Corel/Languages/EN/Help/CorelDRAW%20Graphics%20Suite%20X3.pdf](http://gtu.ge/Arch/Faculty/Multimedia/Resources/2_Corel/Languages/EN/Help/CorelDRAW%20Graphics%20Suite%20X3.pdf)

**DAD2002 ACCESSORIES MAKING II****(LAB)****COURSE OUTCOME:****3hrs./wk.**

On successful completion of the course, the student will be able to

- design various types of fabric jewelry
- combine natural material to create jewelry
- develop designs for terracotta jewelry

**COURSE CONTENT:****UNIT I: FABRIC JEWELLERY****12 hrs.**

Types of fabric– satin– jute – printed fabric

Products – chain – earrings – pendant

**UNIT II: NATURAL JEWELLERY****12 hrs.**

Raw materials – Paddy – natural seeds –dried flowers

Products – earrings – long chain – pendant

**UNIT III: TERACOTTA JEWELLERY****12 hrs.**

Raw materials – natural clay

Products – necklace – long chain – bracelet – earrings

**WEBSITE(S):**

[https://www.youtube.com/watch?v=ZX\\_32HFSd8](https://www.youtube.com/watch?v=ZX_32HFSd8)

<https://www.youtube.com/watch?v=WPsXoc9j14>

<https://www.youtube.com/watch?v=jm3Oyg-23wY>

# DAD2003 GARMENT CONSTRUCTION

(LAB CUM THEORY)

## COURSE OUTCOME:

2T+3L hrs./wk.

On successful completion of the course, the student will be able to

- apply appropriate pattern making techniques
- design and draft kids wear
- design and draft women's wear garment
- construct women's wear and kids wear garment
- interpret different display techniques and calculate costing for a garment

## COURSE CONTENT:

### UNIT I: INTRODUCTION TO BASIC DRAFTING

4T +8L hrs.

Drafting – components of garment – bodice variation – empire bodice – natural bodice – lowered bodice and princess bodice – skirt variations

### UNIT II: KIDS WEAR

4T +8L hrs.

Designing and drafting kids wear – zabla – knicker – frock variation – midi and tops

### UNIT III: WOMEN'S WEAR I

4T +8L hrs.

Designing and drafting women's night wear – saree petticoat – salwar kameez

### UNIT IV: WOMEN'S WEAR II

4T +8L hrs.

Designing and drafting gagra choli – cut blouse – princess cut blouse

### UNIT V: DISPLAY TECHNIQUES AND COSTING

4T +8L hrs.

Display of garment – display techniques – garment quality standards and specification – costing for garment making

## LIST OF EXPERIMENTS:

### I. Designing and Pattern making for Children wear:

- a) Zabla and Knicker
- b) Frock
- c) Midi and Tops

### II. Designing and Pattern making for Women's wear:

- a) Saree petticoat
- b) Night dress
- c) Salwar and Kameez
- d) Cut Blouse
- e) Princess cut blouse
- f) Gagra Choli

## REFERENCE BOOK(S):

David and Charles, *Reader's Digest step by step Guide to sewing and knitting*, World of Book, Australia. Print.

Gerry Cooklin, (2006). *Introduction to clothing Manufacture*, UK: Blackwell Publishing. Print.

Mary Mathew, (2000). *Practical Clothing Construction*, Chennai: Cosmic Press. Print.

Nurie Relis / Gail Strauss, (1968). *Sewing for Fashion Design*, UK: Blackwell Publishing. Print.

## **DAD2007 FABRIC KNOWLEDGE FOR DESIGNERS**

### **(THEORY)**

#### **COURSE OUTCOME:**

**5 hrs./wk.**

On successful completion of the course, the student will be able to

- analyse the classification of textile fibre
- relate the process of making yarn
- identify the different types of fabric structure regarding woven, knitted and non-woven fabric
- compare the process and types of sourcing strategies
- explain various types of technical textiles

#### **COURSE CONTENT:**

##### **UNIT I: FIBRE**

**15 hrs.**

Fibre – definition – classification of textile fibres – primary and secondary properties.

##### **UNIT II: YARN**

**15 hrs.**

Yarn – definition – yarn count – yarn twist – direction of twist – S twist – Z twist – classification based on yarn structure – simple yarn – complex yarn.

##### **UNIT III: FABRIC**

**15 hrs.**

Loom – classification – basic weaving operation – types of weaving – knitting – warp knitting and weft knitting – Nonwoven – introduction – types of nonwovens.

##### **UNIT IV: SOURCING**

**15 hrs.**

Sourcing strategies – sourcing options – sourcing process – international sourcing and domestic sourcing.

##### **UNIT V: TECHNICAL TEXTILES**

**15 hrs.**

Definition – introduction – classification of technical textiles.

#### **REFERENCE BOOK(S):**

Allen. C. Cohen Ingrid Johnson, (2010). *Fabric Science*, New York: Fairchild Books. Print.

Bernard Pcorban, (1983) *Fiber to Fabric*, (6<sup>th</sup> ed.), Singapore: McGraw-Hill Publication. Print.

Terry Brackenbury, (1992). *Knitted clothing technology*, UK: Blackwell Publishing. Print.

## **DAD2008 PORTFOLIO PRESENTATION**

### **(LAB)**

#### **COURSE OUTCOME:**

**5 hrs./wk.**

On successful completion of the course, the student will be able to

- interpret the design of the garment according to theme with suitable accessories
- preparation of pattern based on the design
- construct the garment and calculate the cost of the garment

#### **COURSE CONTENT:**

##### **List of Experiments:**

**75 hrs.**

- a. Selection of a Theme
- b. Preparation of customer profile
- c. Preparation of theme board and mood board
- d. Preparation of color board and fabric board



- e. Preparation of flat sketches
- f. Preparation of pick and choose board board
- g. Preparation of accessory board
- h. Preparation of photographic board
- i. Preparation of measurement board and miniature board
- j. Preparation of pattern according to the selected garment
- k. Constructing the garment to the customer requirement
- l. Costing of the final garment