

## 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:**

<b>1. CLAY JEWELLERY</b>	<b>20hrs.</b>
a) Necklace	
b) Bangles	
c) Earrings	
d) Bracelets\	
<b>2. ARTIFICIAL JEWELLERY</b>	<b>20 hrs.</b>
a) Necklace	
b) Long chain	
c) Bangles	
d) Hip chains	
e) Anklets	
<b>3. SILK THREAD JEWELLERY</b>	<b>20 hrs.</b>
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.

Ruthstone 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 Stitches- 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. Appliquéd (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 – bobbing 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 –pinned 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=iKfFNNtfpMU>

<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=WPsnXoc9j14>

<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 – zabra – 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) Zabra 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