

**GURU KASHI UNIVERSITY**



**Bachelor of Science in Fashion Technology**

**Session: 2022-23**

**Department of Fashion Technology**

## **PROGRAMME LEARNING OUTCOMES**

- Perform textile material analysis using different tools and methods are learned
- Forecasting about the style and designs that can be implemented in various textile materials
- Demonstrate and understand to enhance the persons personality through clothing
- Understand and learn about the fashion designing and techniques that impact in our day to day life cycle.
- Entrepreneur can follow the apparel quality standards and the sales can improved through visual merchandising
- Understand the flow process of garment industry from designing to export the procedures.
- Discuss global and cultural issues affecting the textile, fashion and apparel industry.
- To function effectively as an individual, member as well as team leader under diverse situations of multidisciplinary settings.

### Programme Structure

<b>Semester-I</b>						
<b>Course Code</b>	<b>Course Title</b>	<b>Type of Course</b>				
			<b>L</b>	<b>T</b>	<b>P</b>	<b>Credits</b>
BFT101	Elements of design	Core course	3	0	0	3
BFT102	Drafting & Pattern Making	Core course	3	0	0	3
BFT103	Drafting & Pattern Making Lab	Skill Based	0	0	4	2
BFT104	Elements of design Lab	Skill Based	0	0	4	2
BFT105	Basic of Design and Illustration	Skill Based	0	0	4	2
BFT106	Computer Application	Ability Enhancement	1	0	0	1
<b>Discipline Elective-I (Any one of the following)</b>						
BFT107	Colour Techniques	Discipline Elective- I	0	0	4	2
BFT108	Textile Processing and Printing					
BFT109	Clothing Care and Maintenance					
<b>Discipline Elective-II (Any one of the following)</b>						
BFT110	Fabric Analysis	Discipline Elective-II	0	0	4	2
BFT111	Creative Pattern Making					
BFT112	Printing Marking –I					
BFT199		MOOC COURSE	-	-	-	-
<b>Total</b>			<b>7</b>	<b>0</b>	<b>20</b>	<b>17</b>

<b>Semester-II</b>						
<b>Course Code</b>	<b>Course Title</b>	<b>Type of Course</b>				<b>Credits</b>
			<b>L</b>	<b>T</b>	<b>P</b>	
BFT201	Sewing Techniques & Equipment	Core course	4	0	0	4
BFT202	Fashion Studies	Core course	4	0	0	4
BFT203	Fashion Draping & Custom Clothing	Skill Based	0	0	6	3
BFT204	Sewing Techniques & Equipment-Lab	Skill Based	0	0	6	3
BFT205	Fashion Illustration Lab-I	Skill Based	0	0	6	3
BFT206	Communication Skills	Ability Enhancement	2	0	0	2
<b>Value added Course</b>						
BFT207	Fashion Jewellery Making	VAC	0	0	2	1
<b>Discipline Elective-III (Any one of the following)</b>						
BFT 208	Fibre & Yarn Science	Discipline Elective-III	0	0	6	3
BFT 209	Fashion Art & Design					
BFT 210	Fabric Structure and Design					
<b>Total</b>			<b>10</b>	<b>0</b>	<b>26</b>	<b>23</b>

<b>Semester-III</b>						
<b>Course Code</b>	<b>Course Title</b>	<b>Type of Course</b>				
			<b>L</b>	<b>T</b>	<b>P</b>	<b>Credits</b>
BFT301	Textile Dyeing and Finishing	Core course	3	0	0	3
BFT302	Traditional Indian Textile	Core course	3	0	0	3
BFT303	Apparel Testing	Skill Based	0	0	4	2
BFT304	Surface Ornamentation Lab	Skill Based	0	0	4	2
BFT305	Traditional Indian Textile lab	Skill Based	0	0	4	2
BFT306	Environmental Studies	Ability Enhancement	1	0	0	1
<b>Open Elective Course</b>						
BFT307	Photography	Open. Elective	0	0	4	2
BFT308	Digital Art					
<b>Discipline Elective-IV (Any one of the following)</b>						
BFT309	Sewing Technology	Discipline Elective IV	0	0	4	2
BFT310	Art Portfolio					
BFT311	Garment Construction					
BFT399		MOOC COURSE	-	-	-	-
<b>Total</b>			<b>7</b>	<b>0</b>	<b>20</b>	<b>17</b>

<b>Semester-IV</b>						
<b>Course Code</b>	<b>Course Title</b>	<b>Type of Course</b>				<b>Credits</b>
			<b>L</b>	<b>T</b>	<b>P</b>	
BFT401	History of World Costume	Core course	3	0	0	3
BFT402	Apparel Manufacturing Technology	Core course	3	0	0	3
BFT403	Basic Draping Techniques	Skill Based	0	0	4	2
BFT404	Draping & Grading Lab	Skill Based	0	0	4	2
BFT405	Fashion Illustration Lab-II	Skill Based	0	0	4	2
BFT406	Basics of Research Methodology	Research based skill	0	0	4	2
BFT407	Punjabi Compulsory	Ability Enhancement	1	0	0	1
BFA411	Block Printing	Value Added Course	2	0	0	2
<b>Discipline Elective-V (Any one of the following)</b>						
BFT408	Fabric Painting	Disciplinary Elective V	0	0	4	2
BFT409	Garment Production Management and Entrepreneurship					
BFT410	Fashion Accessories Designing					
<b>Total</b>			<b>7</b>	<b>0</b>	<b>20</b>	<b>19</b>

<b>Semester-V</b>						
<b>Course Code</b>	<b>Course Title</b>	<b>Type of Course</b>				
			<b>L</b>	<b>T</b>	<b>P</b>	<b>Credits</b>
BFT501	Colour Concepts & Colouration	Core course	3	0	0	3
BFT502	Organization of fashion Industry	Core course	3	0	0	3
BFT503	Digital Presentation Techniques	Skill Based	0	0	4	2
BFT504	Accessories Design and Construction	Skill Based	0	0	4	2
BFT505	Drafting Pattern Making & Garment Lab	Skill Based	0	0	4	2
<b>Open Elective Course</b>						
BFT506	Personality Development	Open. Elective	0	0	2	1
BFT507	Design Sketching					
<b>Discipline Elective-VI (Any one of the following)</b>						
BFT508	Fashion Merchandising	Disciplinary Elective VI	0	0	4	2
BFT509	Quality Control Process					
BFT510	Indian Textiles & Embroidery					
BFT599		MOOC COURSE	-	-	-	-
<b>Total</b>			<b>6</b>	<b>0</b>	<b>18</b>	<b>15</b>

<b>Semester-VI</b>						
<b>Course Code</b>	<b>Course Title</b>	<b>Type of Course</b>				
			<b>L</b>	<b>T</b>	<b>P</b>	<b>Credits</b>
BFT601	Industrial Training/Internship	Research based skill	NA	NA	NA	20
<b>Total</b>			<b>20</b>			

**Evaluation Criteria for Theory Courses**

A. Continuous Assessment: [25 Marks]

CA1: Surprise Test (Two best out of three) - (10 Marks)

CA2: Assignment(s) (10 Marks)

CA3: Term paper (5 Marks)

B. Attendance : [5 Marks]

C. Mid Semester Test-1: [30 Marks]

D. MST-2: [20Marks]

E. End-Term Exam: [20 Marks]

**Evaluation Criteria for other courses has been given separately with the respective course**

**SEMESTER-I****Course Title: Elements of Design****Course Code: BFT101**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr.</b>
<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>

**Learning Outcomes**

On the completion of the course the students will be able to

1. Understand the concept of designing.
2. Equip students with the knowledge required for application of elements of
3. Design in the context of fashion.
4. Create compositions using various colour schemes.
5. Acquaint the students with skills of drawing and usage of various art forms and Media.

**Course Content****UNIT I****16 hours**

1. Elements of design-Line- Different types of line, application of line in designing (effect of length and thickness to create illusion)  
Texture- Factors affecting textures,  
Form-Shape/silhouettes,
2. Colour- Colour Dimensions of colour- hue, Intensity, value, Aspects of colour-warm cool, Advancing, receding, dark, pale and bright. Colour wheel- Primary colors, secondary colors, and tertiary colors.
3. Basic colour schemes- achromatic, analogues, monochromatic, complimentary, and neutral Space.

**UNIT II****13 hours**

1. Principles of design-Balance, Rhythm, Emphasis, Harmony/ unity, proportion, Selection of clothing according to the Element and Principal of design.
2. Define collage- types of collage.
3. Designing of clothes for different age groups using principles and elements of design and its advantages on appears

**UNIT III****17 hours**

1. Design concept- Definition and understanding aspects of design  
Classification of design:Applied-Painting, Embroidery, Dyeing, Printing and Finishing
2. Structural-Through variation in fibre, yarn, fabric formation and development, Types of motifs- Natural, Stylised, abstract/ modern, Religious
3. Designs in Fabric- Motifs and patterns Importance of fabric design in garment construction, Effect of fabric design on body appearance
4. Understanding layouts and repeats of patterns in garments



**UNIT IV**

**14 hours**

1. Design process, Research in relation to design  
Exploration and Conceptualization of design  
Design development and design worksheet
2. Factors affecting the choice of Clothing for Different age groups (infant, creeper, School child, pre-adolescence, adolescents, adults, old-age group), occasions, personality and Seasons
3. Various types of figures, selecting and designing clothing according to figure types

**Transaction Mode**

Lecture, Seminar, e-Team Teaching, e-Tutoring, Dialogue, Peer Group Discussion, Mobile Teaching, Self-Learning, Collaborative Learning and Cooperative Learning

**Suggested Readings**

- Bustanoby.J.H., 1947 *Principles of colour & colour mixing.*, Mc Graw Hill Book Company , New York, London,
- Gupta Sushma and Garg Neeru ,2018 *Text book of clothing & textile*, publisher Kalyani.

**Course Title: Drafting & Pattern Making**  
**Course Code: BFT102**

L	T	P	Cr.
3	0	0	3

### Learning Outcomes

On the completion of the course the students will be able to

1. Understand about the tools and equipment's used to make patterns and sewing of fabrics.
2. Earn about the different types of sewing machines, their parts, working and maintenance.
3. Understand different kinds of patterns developing, grading methods and techniques.
4. Get knowledge about fabric layout and handling of special fabric.
5. Learn terminology of the Pattern Development

### Course Content

#### UNIT I

**18 hours**

1. Terminology (Drafting & Pattern Making): Flat pattern making, template working pattern, production pattern, design specification sheet, pattern chart, cost-sheet, grain, dart, dart legs, dart intake, truing and blending, vertical lines, horizontal lines, perpendicular lines, symmetric and asymmetric lines, style number, pattern size, Pivotal point.
2. A study of tools and equipment's:  
 Measuring tools  
 Marking tools  
 Cutting tools  
 Finishing tools

#### UNIT II

**14 hours**

1. A study of anthropometry-  
 List of measurements
2. Locating landmarks  
 Taking body measurements
3. Standard size charts.

#### UNIT III

**15 hours**

1. Importance of Drafting & Pattern Making and their scope,  
 Darts, formation of darts.
2. Pattern Development: Drafting, Flat Pattern, Slash and Spread and Pivot methods.
3. Terminology and Classification use in: Collars, Sleeves, Skirts, Pockets, Jokes

**UNIT IV**

**13 hours**

1. Basics of Commercial paper pattern
2. Pattern Envelope
3. Pattern Marking
4. Pattern Layout

**Transaction Mode**

Lecture, Seminar, e-Team Teaching, Group Discussion, Mobile Teaching, Self-Learning

**Suggested Readings**

- Mullick, Lata Prem,2010 *Garment Construction Skills*, Kalyani Publishers, New Delhi
- Hilde Jaffe & Nurie Relis,2011, *Draping for Fashion Design*, Prentice Hall Crawford
- Amaden, *The Art of Fashion Draping*, Fairchild Publishers
- Carr Harold & Latham Barbara,2008, *The Technology of Clothing Manufacture*, Oxford

**Course Title: Drafting & Pattern Making Lab**  
**Course Code: BFT103**

L	T	P	Cr.
0	0	4	2

**Learning Outcomes**

On the completion of the course the students will be able to

1. Learn about the tools and equipment's used to make patterns and sewing of fabrics.
2. Functionality of different types of sewing machines, their parts, working and maintenance related to Entrepreneurship
3. Understand about different kinds of pattern developing, grading methods and techniques.
4. Understand Fabric layout and handling of special fabric. Course Content

**Course content**

**UNIT I**

**12 hours**

1. Standard Measurements chart for children.  
Developing pattern of Basic Bodice Block of a Child and sleeve block.
2. Adaptation of sleeve block to: Set-in-sleeves –Plain, Puff, Cap, Bell, Umbrella, Flared

**UNIT II**

**11 hours**

1. Part bodice in sleeve - Raglan, extend bodice sleeve - Magyar
2. Adaptation of collars: Peter Pan, Raised peter pan, Cape, Baby collar, Mandarin
3. Basic Skirt Block & its adaptation to: Straight skirt, A-line skirt, Gathered, Pleated Circular skirt-full and half.

**UNIT-III**

**13 hours**

1. Pockets – Patch, , inseam, bound, flap, Kangaroo pocket
2. Pattern of kid's casual wear-Slip, panty and romper.

**UNIT IV**

**9 hours**

1. Drafting for the Basic Bodice Block of a child on full scale.
2. Developing full scale Paper Patterns for basic body block, Collars, Skirts and casual wear

**Transaction Mode**

Group Discussions, Questions, Project Based Learning, Video Based Teaching

**Suggested Readings**

- Mullick, Lata Prem,2010 *Garment Construction Skills*, Kalyani Publishers, New Delhi

- Hilde Jaffe & Nurie Relis, 2011 *Draping for Fashion Design*, Prentice Hall Crawford
- Amaden, *The Art of Fashion Draping*, Fairchild Publishers
- Carr Harold & Latham Barbara, 2008 *The Technology of Clothing Manufacture*, Oxford

**Course Name: Elements of Design Lab****Course Code: BFT104**

L	T	P	Cr.
0	0	4	2

**Learning Outcomes**

On the completion of the course the students will be able to

1. Enhance skills and learn basic elements required of to design garments
2. Understand colour wheel and colour schemes and to use effectively these in designing.
3. Understand different types of textures.
4. Learn about textures of fabrics such as silk, satin, velvet, denim, corduroy.
5. Understand designing techniques and textures so as to develop entrepreneurship skills.

**Course content****UNIT I****12 hours**

1. Draw different designs using Elements of design.
2. Draw different designs using principals of design.
3. Color wheel-primary color, secondary color, tertiary color.

**UNIT II****13 hours**

1. Draw design using Color Aspects in designs -warm, cool, hot,cold, dark, pale and bright.
2. Make design of achromatic, analogues, monochromatic, complimentary, and neutral color ,schemes.
3. Make different types of collage.

**UNIT III****11 hours**

1. Different textures – thread pulling; thread crumple, thread rolling, blade effects, jute, thumb, comb, ink blow, sponge effect.

**UNIT IV****9 hours**

1. Texture of fabrics- silk, satin, velvet, denim, corduroy
2. Rendering techniques

**Transaction Mode**

Lecture, Seminar, Peer Group Discussion, Mobile Teaching, Self-Learning

**Suggested Readings**

- Sinha P.K. and Sinha P., 2002, *Foundations of Computing*,First Edition,
- Sanders D. HM Graw Hill, 1988. *Computers Today*,., Fourth Edition

**Course Title: Basic of Design and Illustration****Course Code: BFT105**

L	T	P	Cr.
0	0	4	2

**Learning Outcomes**

On the completion of the course the students will be able to

1. Learn about the tools and equipment's used to make patterns and sewing of fabrics.
2. Functionality of different types of sewing machines, their parts, working and maintenance related to Entrepreneurship
3. Understand about different kinds of pattern developing, grading methods and techniques.
4. Understand Fabric layout and handling of special fabric. Course Content

**Course content****UNIT I****12 hours**

Introduction Garment Manufacturing Technology  
Surface Design Techniques

**UNIT II****13 hours**

Design Illustration  
Knitwear Design Technology

**UNIT III****11 hours**

Visual Design- Principles and Applications  
Elements of Fashion

**UNIT IV****9 hours**

International Fashion Marketing  
Graphic Design  
Garment Construction

**Transaction Mode**

Group Discussions, Questions ,Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Mullick, Lata Prem,2010 *Garment Construction Skills*, Kalyani Publishers, New Delhi
- Carr Harold & Latham Barbara,2008, *The Technology of Clothing Manufacture*, Oxford.

**Course Title: Computer Applications**  
**Course Code: BFT106**

L	T	P	Cr.
1	0	0	1

**Learning Outcomes**

On the completion of the course the students will be able to

1. Obtain acquainted with the basic knowledge of computer fundamentals.
2. Acquire the understanding related to different software of fashion.
3. Ability to Understand internet surfing.
4. Recognize fundamental knowledge of computer network as well as storage devices.

**Course Content**

**UNIT I**

**4 hours**

1. Computer Fundamentals: Block diagram of a computer, characteristics of computers and generations of computers.
2. Number System: Bit, byte, binary, decimal, hexadecimal, and octal systems, conversion from one system to the other, representation of characters, integers and fractions.
3. Binary Arithmetic: Addition, subtraction and multiplication.

**UNIT – II**

**5 hours**

1. Computer Codes: weighted and non-weighted code, BCD, EBCDIC, ASCII, Unicode.
2. Input Devices: Keyboard, Mouse, Joy tick, Track Ball, Touch Screen, Light Pen, Digitizer, Scanners, Speech Recognition Devices, Optical Recognition devices – OMR, OBR, OCR
3. Output Devices: Monitors, Printer and its Types.

**UNIT – III**

**2 hours**

1. Memories: Units of Memory, Main Memories - RAM, ROM and Secondary Storage Devices - Hard Disk, Compact Disk, DVD.
2. Introduction to Computer Terms like Hardware, Software

**UNIT – IV**

**4 hours**

1. Computer languages: Machine language, assembly language, higher level language, 4GL. Introduction to Compiler, Interpreter, Assembler, Assembling, System Software, Application Software.
2. Internet: Basic Internet terms: Web Page, Website, Home page, Browser, URL, Hypertext, Web Server, Applications: WWW, e-mail, Instant Messaging, Videoconferencing.



**Transaction Mode**

Open talk, Quiz, Video Based Teaching ,Question ,Group Discussion.

**Suggested Reading:**

- Norton's Peter, 2000 *Introduction to Computers*, 4th Edition... By Peter Norton  
TM

**Course Title: Colour Techniques****Course Code: BFT107**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr.</b>
<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>

**Learning Outcomes**

On the completion of the course the students will be able to

1. Learn about Advance visual and physical control of art used in the application of colour concepts.
2. Understand Progress facility with the tools, materials and method inherent to basic painting processes
3. Spread critical thinking and problem solving skills as applies to the use of colour.
4. Discuss tools, concepts, methods and know how to combine, assemble and integrate them to create an artistic work.

**Course Content**

1. Dry and wet colour mixing
2. Light to dark with finishing
3. Using paper towel for painting
4. Bleed Colours into one another
5. Layering
6. Stumbling
7. Lifting the colour
8. Using salt for texture
9. Negative painting
- 10.Using tapes

**Transaction Mode**

Video Based Teaching, Group Discussions, Quiz , Project Based Learning

**Suggested Readings:**

- Walker William, *Handbook of Drawing*,2016
- Walter T. Foster, *The art of Basic Drawing*, Cadenza Drive Laguna Hills, California,2007

**Course Title: Textile Processing and Printing**  
**Course Code: BFT108**

L	T	P	Cr.
0	0	4	2

**Learning Outcomes**

On the completion of the course the students will be able to

1. Identify the Processing methods and knowing their Importance in clothing
2. Learn the Method of fabric processing technique
3. Understand the knowledge of Dyeing and its Classification
4. Apply knowledge of printing and its Techniques
5. Acquainted the machine Knowledge and various fabric processing

**Course content**

**UNIT I**

**10 hours**

1. Typical sequence of processes. Object and methods Singeing, Desizing, Scouring,
2. Synthetic Fibre Heat setting, Wool carbonizing, Weighting of silk. Wet processing equipment – kier – J box – pad roll – U box – Roller bed – Conveyor steamer – setter.

**UNIT II**

**12 hours**

1. Mercerization – Theory process - Methods – Chemicals – effects. Bleaching – Hypo chlorites – Hydrogen peroxide – sodium chlorite.
2. Equipments and chemicals for bleaching of cotton, viscose, cotton/ viscose Polyester/ cotton.
3. Evaluation of bleached fabric–whiteness–absorbency–chemical damage - residues.

**UNIT III**

**10 hours**

1. Dyeing – Classification of colorants – Natural and synthetic dyes Fastness properties of dyes dyeing – classification of colorants – fastness properties of dyes.
2. Dyeing machines – fibre, yarn and fabric dyeing machines – loose stock fibre bale – hank package jigger – winch – HT Beam jet – padding mangles. Garment dyeing machines.

**UNIT IV**

**13 hours**

1. Printing styles of printing – Direct, Resist and Discharge Printing
2. Direct printing: Block printing – Stencil printing – Brief history, preparation of fabric, stencils (For one or more colour) Materials used for preparing stencils, process involved and techniques used .
3. Resist printing: Batik printing- Tie and dye – Brief history, Equipments

required, process sequence and techniques used. Other printing methods: Ink jet printing, Heat transfer printing, photo printing.

**Transaction Mode**

Group Discussions, Questions , Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Paters R.H."Textile Chemistry" Vol. I,II Textile institute, Manchester 1970.
- Shania V.A." Technology of textile processing" Vol. III, V,Vii,VII Seville publications, Bombay 1981.
- Textiles – Ninth edition,Sara J Rudolph and Anna L Langford, Prentice hall, New Jersey (2002).
- Textile processing – J L Smith, Abhishek publications, Chandigarh (2003).
- Textile Chemistry – Peters R H , Vol. I, & II, Textile Institute Manchester (1970)

**Course Title: Clothing Care and Maintenance**  
**Course Code: BFT109**

L	T	P	Cr.
0	0	4	2

### Learning Outcomes

On the completion of the course the students will be able to

1. Understand the different types of Laundry reagent and Soaps
2. Create the fundamental concept of Clothing care and Maintenance
3. Analyze various Laundry Equipment involved in Apparel Sector
4. Impart the knowledge of Washing principles and Special fabric Care
5. Develop the ability to fabric stain and its removing process

### Course content

#### UNIT I

**13 hours**

1. Fabric Care – Introduction, Need and Importance
2. Water- hard and soft water, methods of softening water.
3. Laundry soaps – Manufacture of soap ( Hot process, cold process), composition of soap types of soap, Soap less detergents, chemical action, detergent manufacture, advantages of detergents

#### UNIT II

**9 hours**

1. Stiffening Agents – Starch (cold water and hot water) , Other stiffening agents, preparation of starch
2. Laundry blues, their application.

#### UNIT III

**11 hours**

1. Laundry equipment – for storage, for steeping and Washing Hand Washing Equipment - Wash board, suction washer, wash boiler
2. Machine Washing Equipment-washing machine –Method- Types of Washing Machine - Function of Washing machine Drying equipments – outdoor and indoor types.
3. Irons and ironing board – types of iron (box, flat, automatic, steam iron). Ironing board different types.

#### UNIT IV

**12 hours**

1. Principles of washing – suction washing, wash by kneading and squeezing, washing
2. by machine - Process details and machine details.
3. Laundering of different fabrics – cotton and linen, woollens, coloured fabrics, silks,
4. rayon and nylon.

5. Dry cleaning – using absorbents, using grease solvents. Storing – points to be noted.

**Transaction Modes**

Group Discussions, Questions, Project Based Learning, Video Based Teaching.

**Suggested Readings:**

- Textiles fabrics and their Selection – Wingate I B, Allied publishers Ltd, Chennai.
- Fundamentals of Textiles and their Care- Susheela Dantyagi , Orient Longmann Ltd (1980).
- Family Clothing – Tate of Glession , John Wiley & Sons I n c, Illinois.  
4. Household Textiles and Laundry Work – Durga Duelkar , Amla Ram & Sons, Delhi.

**Course Title: Fabric Analysis****Course Code: BFT110**

L	T	P	Cr.
0	0	4	2

**Learning Outcomes**

On the completion of the course the students will be able to

1. Impart the Hands on Experience in Fabric Constructions
2. Experience to handle the tools and machinery used in Fabric Analysis
3. Create the ability to express their ability create the draft and peg plan in weave construction
4. Perception related to Knitting and its construction structure

**Course Content****UNIT I****12 hours**

1. Warp Particulars - Ends per inch, Crimp percentage.
2. Weft Particulars - Picks per inch, Crimp percentage.
3. Fabric Particulars - Total cover factor, Thickness.

**UNIT II****11 hours**

1. Design, Draft and Peg plan.
2. Plain weave and its derivatives (Warp rib, Weft rib)
3. Twill Weave – Right hand twill and Left hand twill.
4. Satin

**UNIT III****9 hours**

1. Sateen
2. Honey comb Weave
3. Huck a back weave
4. Extra Warp and Weft Figuring

**UNIT IV****13 hours**

1. Identify the given fabric Sample. Methodology used – unravel and graphic
2. Representation.  
Plain Knit
3. Rib Knit – 1x1,2x2  
Interlock  
Pique – any 2 structures
4. Tricot and Rachel

**Transaction Mode**

Group Discussions, Questions, Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Doongaji Shree & Pande Roshani,2004 Desh,*Basic Process & Clothing Construction*,Publisher Unique Education Books, Raj Parkashan, New Delhi.
- Lata Mullick Prem ,2011 *Garment Construction Skills*

**Course Title: Creative Pattern Making****Course Code: BFT111**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr</b>
<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>

**Learning Outcomes**

On the completion of the course the students will be able to

1. Understand about the entrepreneurship, its characteristics and management of entrepreneurship.
2. Plan and implement strategies to start and run a new business.
3. Start their own venture in textile and apparel industry.
4. Understand about the SSI and government policies and all the other factors to start SSI.

**Course Content****UNIT I****9 hours**

1. Kids' Shirts - Drafting of Kids' shirt -
2. Adaptation of the Kids 'shirt to various styles - Developing patterns of the various styles (3 styles)

**UNIT II****11 hours**

1. Lady's Shirts - Drafting of lady's shirt -
2. Adaptation of the lady's shirt to various styles - Developing patterns of the various styles (3 styles)

**UNIT III****12 hours**

1. Male's Shirts - Drafting of Male's shirt -
2. Adaptation of the Male's shirt to various styles - Developing patterns of the various styles (3 styles)

**UNIT IV****13 hours**

1. Drafting of kalidar kurta
2. churidar pyjama
3. Different types of Shirt's

**Transaction Mode**

Group Discussions, Questions , Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Gioello, Debbie Ann., 1982. *Understanding fabrics from fibers to finished clothes*, Fairchild Publication, New York
- Randhawa Dr. Rajwinder K. 2009, *Clothing, Textile & their Care*, First Edition, Publisher: Pardeep, Jalandhar.



**Course Title: Print Marking-I**  
**Course Code: BFT112**

L	T	P	Cr
0	0	4	2

### Learning Outcomes

On the completion of the course the students will be able to

1. Use the printmaking medium as a means of creative and individual expression
2. Determine techniques used for and printing with Wood block and Method of Inking.
3. Recognize and discuss the historical and contemporary role of printmaking media in art, design, and culture.
4. Create resolved, original, prints, using the various methods introduced.
5. Grow facility with the tools, materials, and techniques inherent to basic printmaking processes

### Course Content

#### UNIT I hours

**9**

1. Anticipatory and imaginative use of gathering impressions.
2. Fundamentals of various methods of taking prints.

#### UNIT II

**13 hours**

1. Observation of intrinsic texture of various surfaces and the textures of natural and man-made things.
2. Assignments in:  
 Rubbing.  
 Potato prints.

#### UNIT III

**11 hours**

1. Môn print.
2. Lino Cut.
3. Wood Cut.

#### UNIT IV

**12 hours**

1. Techniques of taking printing in: Mono colour  
 Experience of Hand printing with:
2. Wood block
3. Method of Inking

#### Transaction Mode

Group Discussions, Questions, Project Based Learning, Video Based Teaching

#### Suggested Readings:

- Vanessa Mooncie, *Print Making Book*, Publisher: Guild of Master Craftsman Publications Ltd

**Course Title: Sewing Techniques & Equipment**

**Course Code: BFT201**

L	T	P	Cr
4	0	0	4

**Learning Outcomes**

On the completion of the course the students will be able to

1. Learn tailored garments, in correct sequence of operations.
2. Gain knowledge about designs of fabric within a given frame of time.
3. Apply their knowledge in their own boutiques to promote their various designs in fabric construction
4. Articulate design ideas verbally, visually and digitally.

**Course Content**

**UNIT I**

**17 hours**

1. Introduction to sewing, sewing equipments and supplies.
2. Introduction and handling of sewing machines, its parts, their working
3. Different types of sewing machines.

**UNIT II**

**16 hours**

1. Threading and bobbin winding.
2. Maintenance- Sewing problems and their solutions.
3. Introduction to threads and needles, their numbers and sizes in relation to different types of fabrics.

**UNIT III**

**13 hours**

1. Terminology and Classification used in:
2. Collars
3. Sleeves
4. Pockets
5. Yokes
6. Skirts

**UNIT IV**

**14 hours**

1. Fabric preparation for garment construction-principle for fabric layout and placing paper pattern and fabric
2. Handling special fabrics
3. Fabric estimation and its importance.
4. Fitting: Good fitting, Fitting problems and their solution

**Transaction Mode**

Group Discussions, Questions, Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Doongaji Shree & Pande Roshani Desh, 2003, *Basic Process & Clothing Construction*,

- Publisher Unique Education Books, Raj Parkas an, 2005, New Delhi.
- Lata Mullick Prem, 2008, *Garment Construction Skills*.

**Course Title: Fashion Studies**

**Course Code: FTC202**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr</b>
<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>

### **Learning Outcomes**

On the completion of the course the students will be able to

1. Learn about the classification of Fashion and fashion cycle.
2. Understand the life and works of Indian and International Fashion Designers.
3. Organize fashion shows and fashion weeks.
4. Apply their knowledge in different career opportunities in fashion industries.

### **Course Content**

#### **UNIT I**

**16 hours**

1. Fashion definition  
Its importance & Fashion evolution
2. Fashion terminology
3. Style, change, Trend, fashion cycle, fad classic, fashion trend, silhouette, texture, colour, design, croqui, couture
4. Classifications of fashion.
5. Fashion cycle and length of fashion cycle.
6. Fashion theory-trickle down, -trickle across, bottom-up theory.

#### **UNIT II**

**13 hours**

1. Sources of fashion and fashion services.  
Factors affecting fashion.
2. Inspiration of Fashion  
Forecasting fashion
3. In the reference to fabric, trend, style, color
4. Brands and their influence on Forecasting
5. Development of Fashion stores in Indian market  
Career in fashion industry

#### **UNIT III**

**15 hours**

1. Indian Fashion Centres- Mumbai, Kolkata, Delhi  
Brief introduction to Indian Fashion Designers and their style statement
2. Sabyasachi Mukherjee  
Tarun Tahilliani  
Ritu Kumar  
Ritu Beri  
Raghvendra Rathore

#### **UNIT IV**

**16 hours**

1. International Fashion centres-  
Paris
2. Milan, London

3. New-York  
Brief introduction to International Fashion Designers and their style
4. statement- Versace
5. George Armani  
Coco-Chanel  
Paul Poi ret  
Christian Dior  
Fashion Shows  
Fashion weeks

**Transaction Mode**

Group Discussions, Questions, Project Based Learning, Video Based Teaching

**Suggested Readings:**

- EllenElaine, 2018*Dynamics of Fashion*, Publisher Fairchild.
- Gini. Stephens, 1999 *Fashion Concept to Consumer*, Prentice Hall International, New Jersey.

**Course Title: Fashion Draping & Custom Clothing**  
**Course Code: BFT203**

L	T	P	Cr
0	0	6	3

**Learning Outcomes**

On the completion of the course the students will be able to

1. The advanced program enables the students to understand the technical aspects of the art of Fashion draping.
2. The course will inculcate a deep aesthetics and functional approach to design and enable
3. Students to come up with more consumer-friendly commercial design solutions.
4. The course will help the students to develop design creativity
5. The students will gain knowledge to work with professionals and international ambient.

**Course Content**

**UNIT I** **10 hours**

1. Introduction to creative and Contemporary Fashion Draping
2. Fashion Draping with Fabric Manipulation
3. Draping cowls

**UNIT II** **12 hours**

1. Draping a garment using Ruching Technique
2. Draping a garment using Pleating Technique
3. Draping a garment using Fluting technique

**UNIT III** **11 hours**

1. Zero wastage draping
2. Creative drapes
3. Draping a bra & bustier with cups

**UNIT IV** **12 hours**

1. Draping Men's garments
2. Transferring the drape on paper to create paper pattern

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching.

**Suggested Readings:**

- Hilde Jaffe and Nurie Relis, 2011 *Draping for Fashion Design*, Prentice Hall Crawford

- Amaden, *The Art of Fashion Draping*, Fairchild Publishers.

**Course Title: Sewing Techniques & Equipments Lab**  
**Course Code: BFT204**

L	T	P	Cr
0	0	6	3

### Learning Outcomes

On the completion of the course the students will be able to

1. Learn about pattern of Tailor garments, in correct sequence of operations.
2. Understand designs of fabric, required to complete within a given frame of time.
3. Learn how to promote their various designs in fabric construction, boutiques field.
4. Understand how to apply ideas for the Design preparation and convey them verbally, visually and digitally.
5. Learn about application of shaping devices.

### Course Content

#### UNIT I

**9 hours**

1. Basic Hand Stitches:
2. Basting-even, uneven and diagonal, Tailor's tacks,
3. Back stitch, Hemming- visible and invisible.
4. Application of Fasteners: Buttons and buttonholes, hooks and eyes, hammer ones.

#### UNIT II

**11 hours**

1. Sewing Technology:
2. Exercise of machine's control on speed, paper exercises and fabric exercises.
3. Different types of seams and seam finishes.
4. Seams – Plain, French, run and fell, run and hem, slot, lap, piped, counter seam, counter hem, fringe.

#### UNIT III

**13 hours**

1. Seam finishes– Overcast seam finish, double stitched finish, herringbone finished, edge stitched seam, bound seam finish, pinked seam.
2. Application of shaping devices:
3. Tucks – Plain, cross, shell, released, group.
4. Pleats - knife, box, inverted box, cartridge and kick.

#### UNIT IV

**12 hours**

1. Gathers.
2. Necklines-Round, square, V shape etc.
3. Plackets continuous, 2-piece
4. Zips and Fasteners
5. Pockets patch, in-seam, patch with pleat, patch with flap.

6. Collars, sleeves
7. Yokes Construction of a baby frock

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Doongaji Shree & Pande Roshani,2004 *Desh, Basic Process & Clothing Construction*, Publisher Unique Education Books, Raj Parkashan, New Delhi.
- Lata Mullick Prem ,2011 *Garment Construction Skills*

**Course Title: Fashion Illustration-I Lab**  
**Course Code: BFT205**

L	T	P	Cr
0	0	6	3

### **Learning Outcomes**

On the completion of the course the students will be able to

1. Understand colour units effectively in their design process.
2. Learn about a stick figures in different poses
3. Learn how a figure using texture in the garment
4. Understand light and shade of different types of folds, gathers and shape of fabric in dresses.
5. Gain knowledge about face analysis and figure analysis

### **Course Content**

#### **UNIT I**

**9 hours**

1. Fashion figure - 8½, 10 and 12 heads, front, back and ¾ profiles.
2. Face analysis.
3. Figure analysis.

#### **UNIT II**

**11 hours**

1. Draw features of eyes, nose, ear, lips, face, hands, arms, feet, legs and hairstyles.
2. Body line reading through different poses.
3. Make stick figures in different poses.

#### **UNIT III**

**13 hours**

1. Make geometric designs.
2. Fleshing on block figures.
3. Illustrate a figure using texture in the garment.

#### **UNIT IV**

**12 hours**

1. Stippling and Hatching.
2. Detail in study of light and shade of different types of folds, gathers and shape of fabric in dresses.

### **Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching.

### **Suggested Readings:**

- Sengupta., Hindol.,2005. *Indian Fashion*, Pearson Education, New Delhi



- Jain, Payal. 2004, *Fashion Studies: An Introduction*, Har Anand Publication.

•  
**Course Name: Communication Skills**

**Course Code: BFT206**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr</b>
<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>

### **Learning Outcomes:**

On the completion of the course the students will be able to

1. Inculcate and expand their writing skills through controlled and guided learning methods.
2. Develop coherence, cohesion and competence in oral discourses through intelligible pronunciation.
3. Apply verbal and non-verbal communication techniques in the professional environment.
4. Acknowledge ability to handle the interview process effectively confidently.

### **Course Content**

#### **UNIT – I**

**7 hours**

1. **English Language:** Sentence, Parts of speech, Tenses, Active passive voice, Direct, Indirect speech, Creative writing& vocabulary, Comprehension passage, Reading of Biographies of at least 10 IT business personalities.

#### **UNIT- II**

**8 hours**

1. **Business communication:** Types, Medias, Objectives, Modals, Process, Importance Understanding Barriers to communication & ways to handle and improve barriers.
2. **Listening skills:** Its importance as individual and as a leader or as a worker, Types of listening and Traits of a good listener, Note taking, barriers to listening & remedies to improve listening barriers

#### **UNIT- III**

**8 hours**

1. **Non-verbal Communication-** understanding what is called non-verbal communication, its importance as an individual, as a student, as a worker and as a leader, its types.
2. **Presentation skills-**Its Purpose in business world, How to find material for presentation, How to sequence the speech with proper introduction and conclusion, How to Prepare PPT& Complete set of required body language while delivering presentation.

**UNIT- IV**

**7 hours**

- 1. Reading Skills-** to enhance independent reading, Comprehension Passages, News / Magazine articles on stereotype topics, Poems – Abu Ben Ad hem, The Tiger
- 2. Writing skills-** Importance of reading and writing, improving writing skills through Basic cohesive paragraph writing, resume writing, Job application writing/acceptance letter

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching.

**Suggested Readings:**

- Raman, Meenakshi &Sangeeta Sharma, 2011 Technical communication principles & practice. Second Edition. New Delhi: Oxford University press.
- Kratz, Abby Robinson, 1995 Effective Listening, Toronto: On: Irwin Professional Publishing.
- Sanjay Kumar, Pushp Lata, 2015 second edition 'Communication Skills' Oxford university Pren.

**Course Title: Fashion Jewellery Making**  
**Course Code: BFT207**

L	T	P	Cr
0	0	2	1

**Learning Outcomes**

On the completion of the course the students will be able to

1. Know the fundamental and principles of figure design
2. Knowledge about different illustration techniques and dynamic figure sketching
3. Learn different types of textures.
4. Know about textures of fabrics such as silk, satin, velvet, denim, corduroy.

**Course Content**

**UNIT- I**

**5 hours**

1. Silk Thread Jewellery
2. Basic about silk thread.
3. Material-Plastic bangles, silk thread, jhumka base, earring base, fevicol, decoration material, scissor.

**UNIT II**

**3 hours**

1. Quilling Paper Jewellery:
2. About quilling paper jewellery.
3. Material-Quilling strips, quilling tools, flat pearls

**UNIT III**

**4 hours**

1. Polymer Jewellery:
2. Material-Polymer Clay
3. Scope-Wearable, durability, special trend
4. Floral Jewellery:

**UNIT IV**

**3 hours**

1. Terracotta Jewellery:
2. Scope- Terracotta clay, eye pins

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning ,Video Based Teaching

**Suggested Readings:**

- Corbmann, B.P Textiles : Fibre to fabric' Mcgraw Hill Inc. Singapore 1986
- Grosicki, Z.J. —Watson's Textile Design & Colour, 7th edition, Wood head Publication.
- Murphy, W.S. —Handbook of weaving| Abhishek publication.
-

**Course Title: Fiber & Yarn Science**  
**Course Code: BFT208**

L	T	P	Cr
0	0	6	3

### Learning Outcomes

On the completion of the course the students will be able to

1. Impart the knowledge of fibers, sources, their identification and properties
2. Provide students with the knowledge of yarn science and their properties
3. Understand the concepts related to historical background of textile fashion.
4. Understand importance of design products, which creates employability

### Course Content

#### UNIT I

**12 hours**

1. Introduction to textile fibers-Definition, Sources, Classification and properties of textile
2. fibers
3. Cellulose fibers-Cotton, flax, kapok, hemp, ramie- Properties and end users, Protein fibers-
4. Silk, Wool – Properties and end uses

#### UNIT II

**10 hours**

1. Regenerated cellulose fibers- Viscose Rayon, Acetate Rayon, Tencel, Modal, Bamboo,
2. Lyocel – production source, properties and end uses
3. Synthetic fibers-Nylon, polyester, acrylic and modacrylic- properties and end users,
4. Polyethylene, polypropylene, olefin, Elastomeric fibers (spandex and lycra) - End uses.

#### UNIT III

**13 hours**

1. Yarn manufacturing process for short staple fibers, Spinning Process:- Ring and open end
2. yarn spinning. Flowchart for manufacturing carded, combed yarn and folded yarn, Difference
3. between Rotor, Ring spinning and Air jet spinning

#### UNIT IV

**10 hours**

1. Polymers - Polymerization, degree of Polymerization, different types of polymers- addition
2. and condensation, orientation and crystalline, characteristics of fiber forming polymers,
3. general physical and chemical properties of fibers.
4. Texturisation - types (simplex and complex yarns) and uses, Blends- types, uses of blended
5. yarns.
6. Sewing threads- types and properties, fancy yarns-types and uses.

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Gohl, E.P.G. Velensky, L.D, –Textile Science| CBS Publishers and Distributors,2003
- Hall, A.J. –The standard hand book of Textiles|, Wood head Publishing 8th edition,2004
- Vidyasagar, P.V. –Hand Book of Textiles|, A. Mittal Publications, 2005
- Sara J. Kadolph, –Textiles, Prentice Hall, 10th edition 2007

**Course Title: Fashion Arts & Design****Course Code: BFT209**

L	T	P	Cr
0	0	6	3

**Learning Outcomes**

On the completion of the course the students will be able to

1. Know the fundamental and principles of figure design
2. Knowledge about different illustration techniques and dynamic figure sketching
3. Learn different types of textures.
4. Know about textures of fabrics such as silk, satin, velvet, denim, corduroy.

**Course Content****UNIT I****12 hours**

1. Design – Types, design development, motif, pattern and layout, design manipulation,
2. Inspiration from nature and history. Types of motifs from India, China, Japan , Persia traditional, stylized, geometric, abstract.

**UNIT II****13 hours**

1. Fashion design – Definition, Fashion categories based on age and activity – Types- casual,
2. Formal, sports and ethnic.
3. Flat sketch and spec- Its importance and application, design sketching, ways of layout, flats for men, women and children's wear.

**UNIT III****9 hours**

1. Designing of dress based on figure types- colour combination, various garment to create
2. optical illusion.
3. Clothing and personality, Clothing and attitude, Clothing and motivation, Grooming.

**UNIT IV****11 hours**

1. A detail study on one Indian and International designer – concept, design, creation and
2. collection of Gianni Versace, coco channel, Balenciaga, Stella McCartney, Anita Dongre,
3. Ritu Kumar, Ritu Beri , Wendell Rodricks, Raghavendra Rathod, Sabyasachi Mukherjee.
4. Study of advanced illustrative Techniques and three dimensional views.

**Transactional Modes:**

Group Discussions, Questions , Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Bush. G, " Psychology of clothing", London 1990
- Ireland, " Fashion Design illustration- Children", B. T. Batsford, London, 1996

**Course Title: Fabric Structure and Design****Course Code: BFTD210**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr</b>
<b>0</b>	<b>0</b>	<b>6</b>	<b>3</b>

**Learning Outcomes**

On the completion of the course the students will be able to

1. Develop different drafts and peg plans for given designs applying basic concepts of fabric structures.
2. Develop relevant derivatives of plain weave.
3. Create different designs by using principle of sateen weave.
4. Compose different design by using colour and weave effect principle.

**Course Content****UNIT I****11 hours**

1. Classification of various fabrics, construction of plain weave and its derivatives (rib and mat weave),
2. ordinary twill, right hand twill, warp faced, weft faced & balanced twills.
3. Elements of woven design, Methods of fabric representation, draft and lifting plan,
4. construction of elementary weaves – plain, wrap rib, weft rib, twill, modification of twills,
5. satin and sateen weaves – their derivatives.

**UNIT II****10 hours**

1. Ordinary and brighten honey comb, its modification, huck a back and its modifications, crepe
2. weaves, mock leno.

**UNIT III****11 hours**

1. Extra warp and extra weft figuring – single and two colours, planting, backed fabric, warp
2. and weft backed fabrics.

**UNIT IV****13 hours**

1. Pile fabric – Formation of pile – weft pile – plain back, twill back – length, density and
2. fastness of pile – corduroy weft plush. Warp pile – Terry pile, with the aid of wires, face to
3. face warp pile.
4. Double cloth –classification, self stitched – face to back, back to face, both. Centre stitched –
5. warp and weft. Interchanging double cloth.

**Transactional Modes:**

Group Discussions, Questions , Project Based Learning, Video Based Teaching.

**Suggested Readings:**

- Watson`s textile design and colour. Grosichkli Z Newness, Butter worths, London 1980
- Textiles – fibre to fabric, corbmann B P , International students edition, Mc Graw Hill book Co, Singapore 1985.



**Course Title: Textile Dyeing and Finishing****Course Code: BFT301**

L	T	P	Cr
3	0	0	3

**Learning Outcomes**

On the completion of the course the students will be able to

1. Explains the dyeing and printing methods of textile materials.
2. Explains the importance of dyeing of textiles.
3. Explains dyeing and printing methods of textile materials.
4. Describes the main differences of textile dyes.

**Course Content****UNIT I****11 hours**

1. Production, processing, composition and properties of textile fibers.
2. Impurities in raw cotton, wool, silk and bast fiber.
3. Elementary knowledge of textile auxiliaries.
4. Objects of different processes involved, e.g. singeing, desizing, scouring,
5. bleaching and mercerization.
6. Introductory knowledge of machinery used in pre-treatments of cotton fabric.

**UNIT II****10 hours**

1. Definition and classification of dyes and dyeing.
2. Application of Pigments, Direct, Reactive, Vat, Sulphur and Azoic dyes on
3. cellulosic fiber and Classification of acid dyes, its application on wool and silk fiber.
4. Selection of dyes for synthetic fiber and application on Nylon, Polyester and Acrylic fibers.

**UNIT III****11 hours**

1. Methods of yarn construction, Yarn numbering system- Count, Denier, Tex.
2. Types of yarn, Yarn twist, Yarn defect.
3. Components and characteristics of woven fabrics.
4. Mechanism of weaving- Parts of loom, Yarn preparation for weaving, Basic Weaving operation.
5. Types of looms- Handloom, Power loom, Shuttle loom, Shuttle less loom.

**UNIT IV****13 hours**

1. Dyeing machineries for fibre, yarn and fabric.
2. Measurement of fastness properties e.g. washing, rubbing, light and perspiration.  
Definition of finishing and classification of various types of finishes.
3. Finishing of cotton, Wool, Silk and Manmade Fibers.
4. Important finishing treatments like Calendaring, Organdie, Sanforization,

5. Water repellency and antcrease finishes.

**Transactional Modes:**

Group Discussions, Questions , Project Based Learning, Video Based Teaching.

**Suggested Reading:**

- *Principles of Textile Finishing* (A volume in Wood head Publishing Series in Textiles) Authors: Asim Kumar Roy Choudhury Book 2017

**Course Title: Traditional Indian Textile**  
**Course Code: BFT302**

L	T	P	Cr
3	0	0	3

### **Learning Outcomes**

On the completion of the course the students will be able to

1. Understand the types, processes, material and equipment used to do the resist kind of dyes.
2. Gain skill of doing sanganeri printing.
3. Understand styles and methods of ancient original paintings of India.
4. Enhance their skill in field of tie & Dye.

### **Course Content**

#### **UNIT I**

**11 hours**

#### **Dyed & Printed traditional textiles of India –**

1. Tie and Dye- raw materials, major centres of tie and dye, design and patterns, colour used, preparation and process
2. Batik- raw materials, equipments required, design and patterns, colour used, preparation and process
3. Block printing- equipments required, design and patterns, colour used, preparation and process
4. Sanganeri Prints- raw materials, design and patterns, colour used, preparation and process

#### **UNIT II**

**10 hours**

#### **Styles and methods of textile painting –**

1. Madhubani
2. Parchitra
3. Pichwai
4. Kalamkari.

#### **UNIT III**

**11 hours**

#### **Woven textiles of India-**

1. Jamdani of Bengal
2. Patola of Gujarat
3. Brocade of Banaras
4. Shawls of Kashmir

#### **UNIT IV**

**13 hours**

**Traditional embroideries of India with emphasis on texture, motifs, design, colours, threads and fabrics used in the following-**

1. Phulkari of Punjab
2. Kantha of Bangal
3. Chikankari of Lucknow
4. Sindhi of Gujarat
5. Kasuti of Karnataka
6. Kashida of Kashmir
7. Chamba rumal of Himachal Pradesh

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching.

**Suggested Readings:**

- Naik, 2002, *Traditional Embroideries of India*, APH Publishing Corporation, New Delhi.
- Bhavani, E., 1968, *Decorative Designs & Craftsmanship of India*, D.B. Taroporevala Sons & Co. Pvt, Ltd Bombay.
- Crill, Rose. mary. 1999 *Indian Embroidery* Prakash Book Depot, New Delhi.
- Parul, B., *Traditional Indian Textiles*, Abhishek Publications, Chandigarh.
- Gillow, John, 1993 “*Traditional Indian Textiles*”, Thames & Hudson Ltd, London

**Course Title: Apparel Testing**  
**Course Code: BFT303**

L	T	P	Cr
0	0	4	2

### **Learning Outcomes**

On the completion of the course the students will be able to

1. Practice testing and evaluating different types of quality parameters of garments, etc
2. Introduce various departments of an apparel testing industry.
3. Use research based knowledge to sustain in apparel industry
- 4.

### **Course Content**

#### **UNIT I**

**7 hours**

1. Fabric construction particulars: aerial weight, thickness, thread count, cover factor
2. Equipments to be used are GSM cutter & Weighting balance, Beasley Balance, Pick Glass,
3. Dissection Needle, Calculator and Fabric thickness tester.
4. Determining shrinkage of fabric using shrinkage tester.

#### **UNIT II**

**8 hours**

1. Determining fabric bending properties using stiffness tester
2. Determinations of fabric drape using drape meter.
3. Determining fabric tensile strength using tensile tester.
4. Determining Fabric Abrasion using abrasion tester.

#### **UNIT III**

**7 hours**

1. Determining fabric crease recovery using crease recovery tester.
2. Determining fabric Pilling using pilling tester.
3. Determination of colour fastness to rubbing using crock meter.
4. Determination of colour fastness to washing using washing fastness tester.

#### **UNIT IV**

**8 hours**

1. Determination of colour fastness to light.
2. Determination of garment accessories testing - Button, Snap pull test, zipper test, seam
3. Strength test.

#### **Transactional Modes:**

Group Discussions ,Questions , Project Based Learning ,Video Based Teaching

#### **Suggested Readings:**

- J.E.Booth- "Principles of Textile Testing", CBS Publishers & Distributors, 1996.

- Sundaram V, “Hand book of Textile Testing”, CTRL Publication, Bombay.

**Course Title: Surface Ornamentation Lab**  
**Course Code: BFT304**

L	T	P	Cr
0	0	4	2

### **Learning Outcomes**

On the completion of the course the students will be able to

1. Enhance Skill of the processes involved to do different kinds of contemporary and traditional embroideries as well as some other decorative works used to decorate clothes and apparels.
2. Understand the material, techniques and methods used to do the decorative work
3. Gain knowledge of the processes, materials, equipments and techniques to do tie dye and block printing practically.
4. Understand decorative works, which are helpful in decorating the cloths and apparels practically.

### **Course Content**

#### **UNIT I**

**7 hours**

#### **Introduction to contemporary embroidery stitches-**

1. Stem, back, running, chain, lazy daisy, blanket, buttonhole stitch, spider's web, fly, French knot, bullion knots, fish bone, Romanian, satin, long & short stitch chevron and herringbone

#### **UNIT II**

**8 hours**

1. **Surface Ornamentation**
2. Appliqué Work
3. Mirror Work
4. Patch work
5. Ribbon Work

#### **UNIT III**

**9 hours**

1. Smocking
2. Quilting
3. Shirring
4. Cut work
5. Sequence work
6. Bead work

#### **UNIT IV**

**6 hours**

1. Prepare an article using any above techniques for final submission Ribbon Work
2. Smocking

3. Quilting
4. Shirring

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Shailaja D. Naik 1996 *Traditional Embroideries of India*, A.P. H Publishing Cooperation New Delhi
- Sheila Paine, 1990, *Embroidered Textile*, Thames & Hudson Ltd

**Course Title: Traditional Indian Textile Lab**  
**Course Code: BFT305**

L	T	P	Cr
0	0	4	2

**Learning Outcomes**

On the completion of the course the students will be able to

1. Understand the art of tie and die
2. Apply and enhance Skill of art of Painting.
3. Learn the art of traditional embroideries of different regions.
4. Gain knowledge about different culture of different states.

**Course Content**

**UNIT I**

**7 hours**

1. Preparation of samples using traditional textiles dyeing, painting and printing techniques of India -
2. Tie and Dye
3. Batik
4. Block printing
5. Sangneri Prints
6. Madhubani,
7. Parchitra & Pichwa

**UNIT II**

**8 hours**

1. Samples collection of Woven textiles of India-
2. Jamdani of Bengal.
3. Patola of Gujarat
4. Brocade of Banaras
5. Shawls of Kashmir

**UNIT III**

**7 hours**

1. Preparations of traditional embroidery samples using appropriate texture, motifs, design, colours, threads and fabric of the following-
2. Phulkari of Punjab
3. Kantha of Bangal
4. Chikankari of Lucknow

**UNIT IV**

**8 hours**

1. Parchitra & Pichwa
2. Sindhi of Gujarat
3. Kasuti of Karnataka
4. Kashida of Kashmir
5. Chamba rumal of Himachal Pradesh



6.

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Naik, 2002, *Traditional Embroideries of India*, APH Publishing Corporation, New Delhi.
- Bhavani, E., 1968, *Decorative Designs & Craftsmanship of India*, D. B. Taroporevala Sons & Co. Pvt, Ltd Bombay.
- Crill, Rose. mary. 1999 *Indian Embroidery*, Prakash Book Depot, New Delhi.
- Parul, B., *Traditional Indian Textiles*, Abhishek Publications, Chandigarh.
- Gillow, John, 1993 *Traditional Indian Textiles*, Thames & Hudson Ltd, London

**Course Name: Environment Studies**  
**Course Code: BFT306**

L	T	P	Cr
1	0	0	1

### Learning Outcomes

On the completion of the course the students will be able to

1. Recognize the physical, chemical and biological components of the earth's system and show how they function.
2. Do Independent research on human interaction with the environment.
3. Implement work improvement techniques in an organization where they undergo for in-plant training.
4. Understand about Social Issues and the Environment, which are essential for the employability

### Course Content

#### UNIT I

**3 hours**

1. The Multidisciplinary nature of environmental studies
2. Definition, scope and importance (2 Lectures)
3. Need for public awareness.
4. Natural Resources
5. Renewable and non-renewable resources:
6. Natural resources and associated problems.

#### UNIT II

**5 hours**

1. Ecosystems
2. Concept of an ecosystem.
3. Structure and function of an ecosystem.
4. Introduction, types, characteristic features, structure and function of the following ecosystem
5. Biodiversity and its conservation
6. Introduction – Definition: genetic, species and ecosystem diversity.

#### UNIT III

**3 hours**

1. Environmental Pollution
2. Definition
3. Causes, effects and control measures of:-
4. Air pollution
5. Water pollution
6. Soil pollution
7. Marine pollution
8. Noise pollution
9. Thermal pollution
10. Nuclear hazards

**UNIT IV****4 hours**

1. Social Issues and the Environment
2. Water conservation, rain water harvesting, watershed management
3. Environmental ethics: Issues and possible solutions.
4. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and
5. Issues involved in enforcement of environmental legislation.

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Agarwal, K. C. 2001, *Environment Biology*, Nidi Publ. Ltd. Bikaner.
- Jadhav, H & Bhosale, V.M. 1995. *Environment Protection & Laws*, Himalaya Pub House, Delhi 284p.
- Rao M. N. & Datta A.K. 1987, *Waste Water Treatment*, Oxford & IBH Publ. Co. Pvt. Ltd.

<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr</b>
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**Course Title: Photography**

0	0	4	2
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**Course Code: BFT308****Learning Outcomes**

On the completion of the course the students will be able to

1. Recognize and identify complex anatomical aspects of the human form and its muscular-skeletal system.
2. Know the movement of the muscular-skeletal system.
3. Represent and compose in space, the human figure using measuring techniques.
4. Create figure drawings using the laws of light, clarify and refine the use of various gesture drawing techniques.

**Course Content****UNIT I****7 hours**

1. **Camera as a Tool:** Evolution of camera. Camera technology. Film formats. Camera design.
2. Optical lenses, accessories.

**UNIT II****9 hours**

1. **Camera Techniques - Observation, Selection of subject:** Observing light, light temperature. Selection of subject. Exposures, apertures. Choice of lens, filters. Choice of shot.

**UNIT III****6 hours**

1. **Know your digital Camera:** Camera Parts. Body. Sensor/lenses/digital
2. technology/CPU. **Automated and Assisted settings:** Shooting modes. Flash Modes. Image enhancement settings. Video mode. Manual Settings.

**UNIT IV****8 hours**

1. **Automated and Assisted settings:** Shooting modes. Flash Modes. Image enhancement settings. Video mode. Manual Settings. Shoot with different Automated modes. Shoot with manual settings. Shoot with different lenses. Shoot with Flash. Shoot with natural light. Shoot with filters.
2. Project Submission: End of the Semester.
3. Still Life with Studio Flash Lights (Table Top)
4. **Outdoor based Lighting exercise (Shooting in Different Lighting Condition)**
5. Lighting Techniques: Outdoor, Artificial/Mixed
6. Creative photography (abstract, texture, architectural etc.)
7. **Lab Work:**
8. Color correction and Manipulation of photographs.
9. **Seasonal works:**
- 10 **10** Prints of photographs in approximate Size: 12" x 18" (Minimum)

**Transactional Modes:**

Video Based Teaching, Group Discussions, Quiz , Project Based Learning

**Suggested Readings:**

- Complete Introduction To Photography By J. Harris Gable, Illustrated, Read Books
- The Art Of Digital Photography By John Hedgerow, Dorling Kindersley Ltd
- Outdoor Photography: Portraits By Cathy Joseph, Illustrated, Bloomsbury Academic
- The Photographer's Guide To Light By Niger Hicks, Illustrated, David & Charles

**Course Title: Digital Art****Course Code: BFT308**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr</b>
<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>

**Learning Outcomes**

On the completion of the course the students will be able to

1. Work independently and efficiently.
2. Learn about Advance visual and physical control of art used in the application of colour concepts.
3. Understand Progress facility with the tools, materials and method inherent to basic painting processes
4. Spread critical thinking and problem solving skills as applies to the use of colour.
5. Discuss tools, concepts, methods and know how to combine, assemble and integrate them to create an artistic work.

**Course Content****UNIT I****7 hours**

1. Sketching & Drawing I
2. Elements of Design
3. Geometry
4. Color
5. Material Exploration I
6. Engineering Graphics
7. Sketching & Drawing II
8. Computer Applications I
9. Geometry II
10. Visual Composition

**UNIT II****8 hours**

1. Introduction to Photography
2. Material Exploration II
3. Principles of Design
4. Narrative Skills I
5. 2D Animation I
6. Narrative Skills I
7. Desktop Publishing
8. Introduction to imaging tool & techniques
9. Introduction to game design I
10. Desktop publishing
11. Introduction to Typography
12. Digital imaging
13. Narrative Skills II
14. 2D animation II

**UNIT III**

**7 hours**

1. Introduction to game design II
2. Brand Communication
3. Introduction to 3D Computer Animation
4. Introduction to digital tools and techniques
5. Website Design I
6. Digital sound design I
7. Elements of video production
8. 3D animation and modelling I
9. Visual effects & motion graphics
10. MEL scripting for artists
11. Level Design in games

**UNIT IV**

**8 hours**

1. Environment Design
2. Portfolio Design
3. Elements of video production II

**Transactional Modes:**

Group Discussions, Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Complete Introduction To digital Art By J. Harris Gable, Illustrated, Read Books

**Course Title: Sewing Technology**  
**Course Code: BFT309**

L	T	P	Cr
0	0	4	2

### Learning Outcomes

On the completion of the course the students will be able to

1. Judge the right kind of seam finishes that have to be given to different fabrics.
2. Develop skills to create basic garment parts and various design elements required for a garment.
3. Know the basic skills related to hand stitches and seams.
4. Develop understanding of different terminology used in garments.

### Course Content

#### UNIT I

**7 hours**

1. Paper patterns of all kinds of casual and formal wear garments for children (romper, Frock, skirt, night suit, sundress, jumpsuit), on full scale, with all specifications.
2. Designing in All Dresses
3. Stitching of Baby Garments of Fabrics: Frock, Night suit, Jump suit, Skirt top, Gown etc.

#### UNIT II

**8 hours**

Paper patterns of all kinds of casual and formal wear garments for Women (Frock, skirt, Night suit, sundress, jumpsuit), on full scale, with all specifications. Stitching of Adult Dresses of Fabrics: Night suit, Jump suit, Skirt top, Gown, Lehanga Choli.

#### UNIT III

**7 hours**

Paper patterns of all kinds of casual and formal wear garments for Men (romper, Night suit, sundress, Pent Shirt), on full scale, with all specifications. Stitching of Men Cloth of Fabrics: romper, Night suit, sundress, Pent Shirt

#### UNIT IV

**8 hours**

- Design and Garment construction:-
- Shirt of Men/Women.
  - Trouser of Men/Women.
  - Women saree blouse, Choli blouse

### Transactional Modes:

Group Discussions, Questions , Project Based Learning, Video Based Teaching



**Suggested Readings:**

- GayatriVerma&KapilDev,(2005).Cutting and Tailoring Course New Delhi :Asian Publishers.
- Bety Hose good, (1996).The Complete Book of Sewing. London: Dorling Kindersley Limited.

**Course Title: Art Portfolio**  
**Course Code: BFT310**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr.</b>
<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>

### **Learning Outcomes**

On the completion of the course the students will be able to

1. Realize the importance of displaying their work in the best possible way.
2. Get opportunity to work in teams to create unique designs.
3. Produce original designs and dynamic illustration (for their portfolio).
4. Grab job opportunities by showcasing and explaining their talent through portfolio.

### **Course Content**

1. 50 Sheets
2. Any Canvas
3. Any Medium (Water Colour, Oil Color, Poster Colour, Colour Pencils, Acrylic Colour)

**Course Title: Garment Construction**  
**Course Code: BFT310**

L	T	P	Cr
0	0	4	2

**Learning Outcomes:**

On the completion of the course the students will be able to

1. Impart skills in basic techniques of pattern making
2. Provide the knowledge of different machines used for sewing.
3. Understand the Design and how to design accessories.
4. Learn about the materials, Equipment to make the fashion accessories as well as renovate the old accessories

**Course Content**

**UNIT I**

**7 hours**

1. Introduction Garment construction, History of sewing machine. Introduction to sewing machine: Domestic sewing machine, Industrial sewing.
2. Machine, difference between Domestic & Industrial sewing machine, parts of a Sewing machine, Varieties of industrial sewing machines- Single needle machine, double needle machine-lock stitch & chain stitch machines over-lock machine, sewing machine needles types, parts & functions, care and maintenance of sewing machine ,sewing threads- function, performance, characteristics

**UNIT II**

**5 hours**

1. Introduction to Tools for pattern making and Garment construction- Measuring tools,
2. marking tools, Cutting tools, sewing tools, Pressing tools, different GSM paper & its uses.

**UNIT II**

**5 hours**

1. Introduction to Basic hand Stitches: Application of Temporary and permanent stitches,
2. Methods, importance and applications of basting, running, tacking, hand overcast, button
3. hole, hemming stitches- plain & blind hemming, Stitches & Seams: Definition,
4. Terminologies, Specification ASTM standards, stitch properties, stitch classes, stitch types
5. Seams: Definition, terminologies, seams Dimensions, seam classes, super imposed, Lapped,
6. bound, Flat .

**UNIT IV**

**3 hours**

1. Body & garment relationship,
2. Standardization, importance of body measurements  
Introduction to basic pattern- commercial and custom made patterns

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching.

**Suggested Readings:**

- Gerry Conklin, Introduction to Clothing Manufacture, Blackwell Science, UK, 1991
- Harold Carr & Barbara Latham, The Technology of Clothing Manufacture, Oxford Pub., USA, 1994
- Patrice Taylor et.al., Grading for the fashion industry, Stanley Thomas ltd., 1990

**Course Title: History of World Costumes**  
**Course Code: BFT401**

L	T	P	Cr
3	0	0	3

**Learning Outcomes**

On the completion of the course the students will be able to

1. Learn about the historic costume knowledge to modern fashion design construction...
2. Learn about the French revolution and thereafter
3. Understand the clothing history of the world's history.
4. Gain knowledge about traditional rituals and many more other cultural history of costumes.

**Course Content**

**UNIT I**

**10 hours**

1. Costumes of the Ancient World (300 B.C.-300A.D.)
2. Mesopotamia, Egypt, Greece & Rome
3. Costumes of the middle Ages (300 A.D.-1500 A.D.)
4. Byzantine

**UNIT II**

**12 hours**

1. English Costumes:
2. English costumes during middle ages:
3. Early middle ages.
4. Late middle ages.

**UNIT III**

**13 hours**

1. Renaissance in Italy
2. Mannerism — 16th century.
3. Baroque — 17th century to 18th century.
4. Rococo — mid-18th century.

**UNIT IV**

**10 hours**

1. The French costume
2. Renaissance in France (1500 A D)
3. Renaissance in France (1600 A D)
4. Renaissance in France (1700 A D)
5. **The French revolution and thereafter (1790 A.D.-1900 A.D.)**  
 The Directoire and Empire period (1790 A.D.-1820 A.D.)  
 The Romantic period (1820 A.D.-1850 A.D.)  
 The Crinoline period (1850 A.D.-1869 A.D.)  
 The Bustle period (1870 A.D.-1900 A.D.)

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching.

**Suggest Reading:**

- Torture P.G. & Eubank K. (1995), *Survey of Historic Costume*, New York, Fairchild Publications.
- Sara, P. Tomp & Srah H.2003 *Fashion Costume & Culture, The Ancient World*, Thomas Gale.
- James, L., 2002, *A Concise Costume & Fashion, History*; Thames & Hudson (2nd edition).

**Course Title: Apparel Manufacturing Technology**  
**Course Code: BFT402**

L	T	P	Cr
3	0	0	3

### Learning Outcomes

On the completion of the course the students will be able to

1. Understand basic skills of various techniques employed for pattern making in the fashion industry.
2. Expand their knowledge base of garment component parts: - Yokes, Collars, Sleeves pockets.
3. Gain knowledge about the structure and sectors of apparel industry.
4. Understand the importance of Garment inspection by using different quality control methods.

### Course Content

#### UNIT I

**16 hours**

1. Organization of Apparel industry.
2. Organization Structure and sectors of Apparel industry.
3. Factors affecting the structure

#### UNIT II

**15 hours**

1. Design department-forecasting, designing, collection planning.
2. Sampling department- Pattern making, grading and sampling technology, construction of sample garment.
3. Production and Finishing Department

#### UNIT III

**13 hours**

1. Marketing department- calendar, pricing, product planning, costumer, merchandising and sale.
2. Purchase department- supplies, prices, store keeping, inventory management.
3. Finance department- Information management, administration, costing, budgeting.
4. Dispatch department.

#### UNIT IV

**16 hours**

1. Garment Inspection using different methods.
2. Applying quality assurance programmers in fabric department, cutting, production
3. Finishing department: Attaching Buttons, Marking, Sewing, Labels, Cleaning, Final Touches

### Transactional Modes:

Group Discussions, Questions, Project Based Learning, Video Based Teaching

### Suggest Readings:

- Janace Bubonia ,2011 *Apparel Production Terms &Process*

- Ruth E. Glock ,2005 *Apparel manufacturing-Sewn Product Analysis* Grace Publisher Prentice.
- Peyton B, Hudson, 1989 *Guide to Apparel Manufacturing* Publisher Blackwell.
- Gini Stephens Frings ,2007 *Fashion Concept to Consumer*, Publisher Pearson



**Course Title: Basic Draping Techniques****Course Code: BFT403**

L	T	P	Cr
0	0	4	2

**Learning Outcomes**

On the completion of the course the students will be able to

1. Understand the principles of draping and get to know about the various tools and equipment used for Draping
2. Able to prepare a dress form for draping and
3. Able to drape the bodice front and back , skirt and sleeve
4. able to manipulate basic dart to various other locations
5. able to drape different varieties of yokes

**Course Content****UNIT I****7 hours**

1. **Draping Of Bodice Blocks & Variations**
2. Front Bodice with under arm Dart – Back Bodice with Neckline Dart -Dart manipulation – Waist line Dart – Dart at waistline and centre front – French Dart – Double French Dart – Flange Dart – Neckline Dart -Neckline variations – Front & Back Armhole variations – Typical sleeveless – Squared – Cutaway.

**UNIT II****8 hours**

1. **Draping Of Skirts & Slacks** :- Draping of one piece basic skirt – Gored skirt – Flared skirt – Pleats in the flared skirt – Gathers in the flared skirt – Pleated skirt – Side & Box pleated skirt – Kick pleated and inverted pleated skirt.

**UNIT III****7 hours**

1. Draping of basic straight slacks – Fitted slacks – Tapered slacks -Pegged slacks–Divided skirt raping Of Advanced Design Variations & Knit Garments

**UNIT IV****8 hours**

1. Draping of bias – Cut slip Dress – Bustier Designs – basic Knit Bodice Dress – Knit Halter – Knit Leotard – Knit Panties.
2. Draping of Flounces – Circular flounce – Shirred Flounce – Draping of Ruffles – Variable Ruffle finishes – Draping of peplums. Draping of ‘A’line shift – Draping of Princess Dress – Draping of Basic Jacket.

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching.

**Suggested Reading:**

1. The Art of Fashion Draping Connie Amaden Crawford Fair Child Publication, New York Om Books International, New Delhi 2005
2. Draping for Fashion Design Hilde Jaffe & Nurie Relis Prentice Hall career & Technology, Engle wood Cliffs, USA 2002.

**Course Title: Draping and Grading Lab**  
**Course Code: BFT404**

L	T	P	Cr
0	0	4	2

**Learning Outcomes**

On the completion of the course the students will be able to

1. Learn about grading department industries
2. Know advantages and disadvantages of the Draping
3. Enhance skill of Pattern development through draping:
4. Have Knowledge about grading & its importance.

**Course Content**

**UNIT I**

**6 hours**

1. Introduction to draping;
2. Advantages and disadvantages.
3. Seam allowances/ease.
4. Understanding of style lines.
5. Preparation of Muslin for draping.

**UNIT II**

**7 hours**

1. Terminology related to draping
2. Equipment needed

**UNIT III**

**8 hours**

1. Pattern development through draping:
2. Basic Bodice
3. Design variation
4. Manipulating dart excess at different locations
5. Dividing dart excess- Waist & side seam, waist & shoulder
6. Princess line

**UNIT IV**

**9 hours**

1. Different types of Skirts
2. Grading techniques:
3. Introduction to grading & its importance
4. Introduction to different methods: Front bodice, Back bodice, Sleeve block

**Transactional Modes:**

Group Discussions, Questions , Project Based Learning, Video Based Teaching.

**Suggested Reading:**

- Harold Carr & Barbara Latham, 2008 *The Technology of clothing Manufacture*, Blackwell Science
- Singer, 1994 *Sewing Lingerie*, Cy Decrosse incorporated
- Coklin Gerry, 1991 , *Pattren Grading Of children's* Om Book Service

**Course Title: Fashion Illustration Lab-II****Course Code: BFT405**

L	T	P	Cr
0	0	4	2

**Learning Outcomes**

On the completion of the course the students will be able to

1. Know the importance of drawing techniques in the Entrepreneurship.
2. Learn about basic principle of drawing.
3. Learn drawing clothing and accessories by hand, involved in Career.
4. Gain knowledge about work on different variations of basic garments.

**Course Content****UNIT I****9 hours**

1. Work on different variations of basic garments.
2. Skirts
3. Trousers
4. Gowns
5. Dresses
6. Shirt
7. Jacket
8. Halter dresses
9. Pants

**UNIT II****6 hours**

1. Introduction to Design Development sheet
2. Mood boards.
3. Client profile.
4. Illustration sheet
5. Specification sheet

**UNIT III****8 hours**

Designing male and female apparels using any of the following categories themes (assigned by the course faculty).

1. Business wear/career/suits
2. Dresses
3. Outer wear
4. Evening wear
5. Swimming & Lingerie

**UNIT IV****7 hours**

1. Bridal
2. Night wear
3. Maternity wear
4. Sports wear
5. Fashion illustration using headgears, accessory footwear etc.

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Sengupta. Hindol. 2005. *Indian Fashion*, Pearson Education, New Delhi
- Jain, Payal. 2004 *Fashion Studies: An Introduction*, Her An and Publication

**Course Title: Basic of Research Methodology**  
**Course Code: BFT406**

L	T	P	Cr
0	0	4	2

**Learning Outcomes**

On the completion of the course the students will be able to

1. Point out and discuss the role and importance of research in the Fashion Technology
2. Recognize key research methodology concepts and issues
3. Identify and discuss the concepts and procedures of sampling, data collection, analysis and reporting.
4. Select and define appropriate research problem and parameters
5. Implement the basic concepts of research and its methodologies

**Course Content**

**UNIT I**

**7 hours**

1. (Common for PhD in Engineering, Education, App. Sciences, Management, Computer Applications, Commerce, Economics)
2. Research
3. Objectives of Research, Research Types, Research Methodology, Research Process – Flow chart, description of various steps, Selection of research problem.
4. Research Design
5. Meaning, Objectives and Strategies of research, different research designs, important experimental designs, completely randomized, randomized block, Latin Square, Factorial Experimental Design.

**UNIT II**

**6 hours**

1. Methods of Data Collection
2. Types of data collection and classification, Observation method, Interview Method, Collection of data through Questionnaires, Schedules.
3. Processing and Analysis of Data:
4. Editing, Coding, Classification of data
5. Statistical measures and their significance: Central tendencies, Variation, Skewness, Kurtosis. Correlation and Regression, Multiple Regression, Time Series Analysis,
6. Parametric tests (t, z and F), Chi Square test.
7. Analysis of Variance, One - way ANOVA
8. Factor Analysis, Centred Method.
9. Computer simulations using MATLAB/SPSS

**UNIT III****8 hours**

1. Probability Distributions
2. Binomial , Poisson , Exponential , Normal distributions, Frequency distribution, Cumulative Frequency distribution, Relative Frequency distribution.
3. Sampling Methods:
4. Different methods of Sampling : Probability Sampling methods , Random Sampling, Systematic Sampling, Stratified Sampling, Cluster Sampling and Multistage Sampling.
5. Non Probability Sampling methods, Sample size.

**UNIT IV****9 hours**

1. Testing of Hypotheses:
2. Testing of Hypotheses concerning Mean(s), Testing of Hypotheses concerning Proportion (s),
3. Testing of Hypotheses concerning Variance(s)
4. Report Writing and Presentation:
5. Types of reports, Report Format – Cover page, Introductory page, Text, Bibliography, Appendices, Typing instructions, Oral Presentation.

**Transactional Modes:**

Group Discussion, Questions, Project Based Learning, Video Based Teaching.

**Suggested Readings:**

- Montgomery, Douglas C. (2007), '*Design & Analysis of Experiments*', (Wiley India)
- 2. Montgomery, Douglas C. & Ranger, George C., '*Applied Statistics & Probability for Engineers*' (Wiley India)
- 3. Kothari C.K. (2004), '*Research Methodology- Methods & Techniques*' (New Age International, New Delhi)
- Krishnaswamy, K.N., Sivakumar, Appal Iyer & Mathiranjana M., '*Management*

**Course Title: Punjabi Compulsory****Course Code: BFT407**

L	T	P	Cr.
1	0	0	1

**Learning Outcome**

On the completion of the course the students will be able to

1. Understand their native language briefly.
2. Communicate official letter writing & notice writing.
3. Put down prissy writing.
4. Enroll Punjabi grammar and category of word.
5. Narrate the socio, economic condition of Punjab under the rule of Sikh culture

**Course Content****ਭਾਗ-ੳ****3 hours****ਨਾਟਕ**

1. ਪੱਤਣ ਦੀ ਬੇੜੀ (ਬਲਵੰਤ ਗਾਰਗੀ)
2. ਬੰਦ ਕਮਰੇ (ਗੁਰਸ਼ਰਨ ਸਿੰਘ)
3. ਤੂੜੀ ਵਾਲਾ ਕੋਠਾ (ਅਜਮੇਰ ਸਿੰਘਐਲੋਖ)
4. ਚਿੜੀਆਂ (ਆਤਮਜੀਤ)
5. ਬੰਦਨ ਤੇ ਸਰਾਪ (ਮਨਜੀਤਪਾਲ ਕੌਰ)

**ਭਾਗ- ਅ****4 hours****ਗੁਰਮਤਿ ਕਾਵਿ**

1. ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ
2. ਗੁਰੂ ਅੰਗਦ ਦੇਵ ਜੀ
3. ਭਾਈ ਗੁਰਦਾਸ ਜੀ
4. ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ ਜੀ

**ਭਾਗ-ੲ****5 hours**

1. ਨੋਟਿਸ ਲੇਖਣ ਜਾਂ ਸਮਾਚਾਰ ਲੇਖਣ
2. ਕਾਰ-ਵਿਵਹਾਰ ਦੇ ਪੱਤਰ
3. ਸੰਖੇਪ ਰਚਨਾ
4. ਪ੍ਰੈਸੀ ਰਚਨਾ
5. ਵਿਆਕਰਣ

**ਭਾਗ-ਸ**

**3 hours**

- 1 ਮੂਲ ਵਿਆਕਰਣ ਇਕਾਈਆਂ ਦੀ ਪਛਾਣ ਅਤੇ ਸਥਾਪਤੀ
- 2 ਵਾਕ ਬਣਤਰ ਅਤੇ ਵਾਕ ਰਚਨਾ
- 3 ਉਪ ਵਾਕ ਬਣਤਰ, ਪਛਾਣ ਅਤੇ ਕਾਰਜ
4. ਗੁਰਮੁਖੀ ਲਿੱਪੀ ਦੀਆਂ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ
5. ਵਿਹਾਰਿਕ ਵਿਆਕਰਣ

**Transactional Mode:**

Video Based Teaching, Group Discussions, Quiz , Project Based Learning.

**Suggested Readings:**

- Keshar Dr. K.S., *Punjab Kabh*, Edition 2012
- Dugal N .S & Jasvir Kaur ,*Punjabi Grammar & Essay writing*, 13<sup>th</sup> Edition: 2013



**Course Title: Fabric Painting**  
**Course Code: BFT408**

L	T	P	Cr
0	0	4	2

### Learning Outcomes

On the completion of the course the students will be able to

1. Know the history and tools used for fabric painting
2. Learn about the painting tools
3. Understand the various techniques in fabric painting.
4. Gain knowledge about painting tools

### Course Content

#### UNIT I

**7 hours**

1. Application of Fabric Painting
2. Preparing fabric ready for painting
3. Transfer of design onto fabric
4. Mixing the colours
5. Post Treatment of fabrics

#### UNIT II

**8 hours**

1. Brushing Techniques of Painting
2. Brush control
3. Brush Loading
4. Types of brushes used for painting - Round tip brush, Flat tip brush, Liner brush, Foam brush, Outliners filled with paint.

#### UNIT III

**7 hours**

1. Techniques of Fabric Painting.
2. Wet Brush Technique
3. Dry Brush Technique
4. Dot work Wet on wet
5. Different strokes like – comma stroke, Chisel stroke, Flat
6. comma, leaf stroke, S stroke, Tear drop, Line work and marbling

#### UNIT IV

**8 hours**

1. List Of Tools And Equipment Required: Fabric , Paints , Various Painting Brushes, .3d
2. Outliner , Palette , Frames ,Bowls ,Cleaning Clothes , Colour Chart ,Sponge , Stencil Markers ,
3. Trace Papers ,Other Stationery Like Pencil, Scale

#### Transactional Modes:

Group Discussions, Questions, Project Based Learning, Video Based Teaching

#### Suggested Readings:

- Indian Textile Prints, (2004) the Pepline Press Agile Rabbit Edition

**Course Title: Garment Production Management & Entrepreneurship.**  
**Course Code: BFT409**

L	T	P	Cr
0	0	4	2

**Learning Outcome**

On the completion of the course the students will be able to

1. Create different boards for the particular garments Production Management & Entrepreneurship.
2. Implement techniques affectively and creatively to design and decorate garments
3. Realize about professional garment Production Management & Entrepreneurship skills to decorate garments.  
Distinguish between contemporary, traditional, machinery and hand embroidery works.

**Course Content**

**UNIT I**

**7 hours**

1. Studying the designs and motifs of traditional embroideries of India- phulkari, chickenkari, kasida, Kantha, Kathiawar, Kutch, Sindhi, Gujarati, Chambarumal.

**UNIT II**

**6 hours**

1. Colours, fabric and stitches of the Traditional embroideries of India- phulkari,
2. Chickenkari, kasida, Kantha, Kathiawar, Kutch, Sindhi, Gujarati, Chambarumal
3. Preparation of samples of the traditional embroideries of India.

**UNIT III**

**7 hours**

1. Designing embroidery patterns from different sources like objects, photographs, nature, greeting cards, posters, surroundings etc...,
2. Creating embroidery patterns designed from different sources
3. Sequin work
4. Lurex work

**UNIT IV**

**10 hours**

1. Lace and ribbon work
2. Decorations and trimmings
3. Understanding the processes of Tie and dye, batik printing, screen printing and block printing
4. Preparation of samples of all processes of Tie and dye,
5. Preparation of sample of batik printing- wax resistant dyeing
6. Preparation of a sample with screen printing
7. Preparation of a sample of block printing

**Transactional Modes:**

Open talk , Quiz ,Video Based Teaching , Question , Group Discussion.

**Suggested Readings:**

- Shailaja D. Naik 1996 ,*Traditional Embroideries of India*, A.P. H Publishing Cooperation New Delhi
- Sheila Paine, 1990, *Embroiled Textile*, Thames and Hudson Ltd.
- Gulrajani M.L., *Silk Dyeing, Printing & Finishing*.

**Course Title: Fashion Accessories Designing**  
**Course Code: BFT410**

L	T	P	Cr
0	0	4	2

**Learning Outcomes**

On the completion of the course the students will be able to

1. impart knowledge of fashion Accessories
2. Provide opportunity and to design and to develop fashion accessories.
3. Learn how to sign fashion accessories.
4. Know the Design and how to design accessories.

**Course Content**

**UNIT I**

**7 hours**

1. Fashion accessories- Introduction, definition. History, Classification
2. Accessory types- Head gears, Foot wear, Bows, ties and belts, Hand bags, Gloves, Scarves,
3. Stoles, Shawl

**UNIT II**

**9 hours**

1. Materials and processes-leather, straw, fur, wood. Materials required. Material sourcing.
2. Design development & production.

**UNIT III**

**8 hours**

1. Trends and Marketing- Fashion trends and marketing of accessories. Study of any 2 accessory designers. (one Indian and one international)

**UNIT IV**

**6 hours**

1. Jewellery- Jewellery Design and production, Types of Jewellery – precious, costume, bridge.
2. Traditional Indian jeweler – temple, kundan, minakari, thewa, filigree, terracotta.
3. Gemology- Introduction to gems, Basic qualities of gems and healing properties of gems.

**Transactional Modes:**

Group Discussions , Questions ,Project Based Learning,Video Based Teaching

**Suggested Readings:**

- Claire Billcocks," Century of Bags", Chartwell Books, New Jersey 1997
- John Peacock, " Fashion Accessories- Men", Thames and Hudson, London, 1996

- John Peacock, " The complete 20th Century Source Book", Thames and Hudson, London, 2000
- Malolow Blahnik- Co Collin Mac dolw, " Shoes -Fashion and Fantasies", Thames and Hudson, 1989

**Course Name: Block Printing**

**Course Code: BFA411**  
**Duration: -30 Hrs.**

**MODULE-I**

- Introduction and Brief Study of Block Printing
- Types of Block Printing.

**MODULE-II**

- Texture of Material required for Block Printing
- Use of color combination for Block Printing

**MODULE-III**

- Initial Preparation Steps of Block Printing
- Block Printing with Single Color
- Block printing with Multi Colors

**MODULE-IV**

- Implementation of Block Printing using (Potato, Matchstick, Engraved Wooden Block)
- Equipped an article with block printing such as Shirts and Dupattas.

**AWARDING CERTIFICATE**

Learners can get a certificate after they have registered and fulfil the criteria of 75% attendance. The students who have successfully completed the Value Added Course shall be issued with a Certificate.

**Course Title: Colour Concepts & Colouration**  
**Course Code: BFT501**

L	T	P	Cr
3	0	0	3

**Learning Outcomes**

On the completion of the course the students will be able to

1. Impart knowledge of colour and colour schemes.
2. Learn about different types of printing and dyeing techniques.
3. Develop practical skills of printing and design.
4. Learn the Pricing policies, this influence fashion marketing.
5. Know fundamental of Market research, market channels.

**Course Content**

<b>UNIT I</b>	<b>12 hours</b>
1. Concept of colour Pigment theory Dimensions	
2. Harmonies of colour Their manipulation	
<b>UNIT II</b>	<b>11 hours</b>
1. Types of design	
2. Their application to textiles.	
<b>UNIT III</b>	<b>9 hours</b>
1. Dyeing of fibres', yarns, fabric Decorative dyeing	
2. Printing - Traditional Modern methods Styles	
<b>UNIT IV</b>	<b>13</b>
<b>hours</b>	
1. Finishes –basic, texturing	
2. Functional	

**Transaction Modes**

Group Discussions , Questions , Project Based Learning , Video Based Teaching

**Suggested Readings:**

- Essey Mike.2008 *Fashion Marketing* , Publisher Blackwell.
- Soloman, Michale R 2006 “*Consumer Behavior in Fashion*” Publisher Pearson.
- Mary *Fashion Marketing & Merchandisin*,2008 Publisher Goodheart-Willcox

**Course Title: Organization of Fashion Industry**  
**Course Code: BFT502**

L	T	P	Cr
3	0	0	3

**Learning Outcomes**

On the completion of the course the students will be able to

1. Understand terms used in and working of different departments of fashion industry.
2. Learn about men's, women's and children's garments and their classification.
3. Understand the process of garment manufacture from designing to promotion and selling.
4. Get knowledge about the functions of stores and their operations to smoothly handle customers.

**Course Content**

**UNIT I**

**13 hours**

1. Describe basic fashion industry terms like retail, buyer, merchandise, merchant etc.
2. Work flow in a fashion industry through different departments.
3. Describe classifications of fashion.

**UNIT II**

**12 hours**

1. Segments of fashion industry.
2. Women's wear markets, classifications, price points, size specialization – selling seasons - promoting women's wear.
3. Men's wear markets, classifications, size specialization - selling men's wear.
4. Children's wear-classifications, size classifications, promoting children's wear. Intimate apparel.

**UNIT III**

**6 hours**

1. Retail operations.
2. Department stores
3. Describe operational store policies

**UNIT IV**

**14 hours**

1. Customer service.  
Selling services.
2. Promotional activities.  
Describe the importance of location, exterior and interior.

**Transaction Modes**

Group Discussions ,Questions , Project Based Learning ,Video Based Teaching

**Suggested Readings:**

- Michael A, 2011 *The Business of Fashion* Stevens.
- Veronica Manlow.2018 *Design Cloths Culture &Organization*
- Jaace Bubonia., 2011 *terms & Processes*.



**Course Title: Digital Presentation Techniques**  
**Course Code: BFT503**

L	T	P	Cr
0	0	4	2

### Learning Outcomes

On the completion of the course the students will be able to

1. Get trained with different aspects of design ideas in
2. Learn CAD and editing in vector graphics (Adobe illustrator) as applied in the garments industry
3. Transform their ideas into designing through providing
4. Learn special design effects by Adobe illustrator.

### Course Content

#### UNIT I

**7 hours**

1. Vector overview, The Selection tool, The Scale tool, The Rotate tool, multiplying,
2. The Direct selection, Anchor points, Anchor handles Stroke effects, Stroke align effects, Stroke corner effects, Stroke dash effects, Arrowhead effects.
3. Swatches panel, Pantones, Picking colours from an image, Gradient bar, Transparency.

#### UNIT II

**8 hours**

1. Zooming, Manoeuvring, Duplicating objects, Select Multiple objects, Tip 5 Aligning,
2. Rulers & guides, Smart guides, Scale strokes & Effects, Ship & Full screen, Grids
3. Rectangle shape tool, Deleting anchor points, Ellipse shape tool, free transform tool, Star shape tool, Free transform tool, Polygon shape tool, Rounded rectangle shape tool

#### UNIT III

**9 hours**

1. Type tool, Type area box's, Type as outlines, Touch type tool, Vertical type, Area
2. type tool , Type on a path tool
3. Setting up a document / Placing in a drawing / Sketch
4. Image trace tool for sketches in Adobe Illustrator

#### UNIT IV

**6 hours**

1. Drawing, Tracing a hand drawn sketch & Converting to vector artwork go to page
2. Ep16 Compounding vector shapes & strokes / Pathfinder Tool
3. Colouring & Text, Colouring a vector drawing in Adobe Illustrator Go to page Ep18
4. Adding type to a poster design in Adobe Illustrator

5. Finishing & Exporting, Exporting ready for print in Adobe Illustrator

**Transactional Modes:**

Group Discussions , Questions , Project Based Learning , Video Based Teaching.

**Suggested Readings:**

- Adobe Illustrator CC: The Official Training Workbook from Adobe - 2017 Release First Edition By Brian Wood
- Adobe Illustrator CC Classroom in a Book (2015 release) 1st Edition, Kindle Edition
- Adobe Illustrator CS6 Classroom in a Book 1st Edition By Adobe Creative Team.

**Course Title: Accessories Design and Construction Lab****Course Code: BFT504**

L	T	P	Cr
0	0	4	2

**Learning Outcomes**

On the completion of the course the students will be able to

1. Learn how to sign fashion accessories.
2. Understand the Design and how to design accessories.
3. Learn about the materials, Equipment to make the fashion accessories as well as renovate the old accessories.
4. Know the importance of Accessory design industry, this creates entrepreneurship

**Course Content****UNIT I****7 hours**

1. Fashion accessories-its types [bags, hats/ millinery, gloves, shoes, belts, neckties, scarves, jewellery.

**UNIT II****6 hours**

1. Design and construct jewellery by taking any inspiration

**UNIT III****8 hours**

1. Design and renovate a hand bag according to a particular client.

**UNIT IV****9 hours**

1. Design and construct a scarf.
2. Design and construct a head gear

**Transactional Modes:**

Group Discussions ,Questions , Project Based Learning ,Video Based Teaching

**Suggested Readings:**

- Madhubani, Parkash 1994, *An Invaluable Book On The original Art Tradition Design Point*

**Course Title: Drafting Pattern Making & Garment Lab****Course Code: BFT505**

L	T	P	Cr
0	0	4	2

**Learning Outcomes**

On the completion of the course the students will be able to

1. Understand the drafting of men's and women's professional garments by using different methods.
2. Learn about the materials and techniques used to construct professional dresses of men and women.
3. Learn about Construct men's and women's shirt, trouser and waist coat.
4. Gain and enhance Skills in Garment Construction.

**Course Content****UNIT I****8 hours****Drafting of:**

1. Shirt of Men's/Woman's
2. Trouser of Men's/Woman's

**UNIT II****7 hours**

1. Waist coat
2. Punjabi Dress

**UNIT III****8 hours**

1. Garment Construction:
2. Shirt of Men's/Woman's
3. Trouser of Men's/Woman's

**UNIT IV****7 hours**

1. Waist coat
2. Punjabi Dress

**Transactional Modes:**

Group Discussions , Questions , Project Based Learning , Video Based Teaching.

**Suggested Readings:**

- Mullick, Lata Prem, 2010 *Garment Construction Skills*, Kalyani Publishers, New Delhi
- Hilde Jaffe and Nurie Relis, 2011 *Draping for Fashion Design*, Prentice Hall Crawford
- Amaden, *The Art of Fashion Draping*, Fairchild Publishers  
Carr Harold & Latham Barbara, 2008 *The Technology of Clothing Manufacture*, Oxford.

**Course Title: Personality Development**  
**Course Code: BFT506**

L	T	P	Cr
0	0	2	1

**Learning Outcomes**

On the completion of the course the students will be able to

1. Understand the Self-Awareness, Personal Development, and Life Skills.
2. Learn about the Leadership and Communication skills.
3. Develop the basic Skills of Self Understanding.
4. Gain the knowledge of Good Manners.

**Course Content**

**UNIT I**

**3 hours**

1. Confidence
2. Career / Interview
3. Motivation
4. Leadership

**UNIT II**

**3 hours**

1. Communication
2. Strengths / Weaknesses
3. Self Understanding
4. Optimism

**UNIT III**

**4 hours**

1. Purpose / Passion / Vision
2. Families / Parenting / Relationships
3. Assertiveness / Attitude
4. Organization Efficiency

**UNIT IV**

**5 hours**

1. Body language –
2. Problem-solving
3. Conflict and Stress Management
4. Decision-making skills –
5. Leadership and qualities of a successful leader –
6. Character building -Team-work
7. Time management - Work ethics
8. Good manners and etiquette.

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Agarwal, K. C. 2001, *Environment Biology*, Nidi Publ. Ltd. Bikaner.
- Jadhav, H & Bhosale, V.M. 1995. *Environment Protection & Laws*, Himalaya Pub House, Delhi 284p.
- Rao M. N. & Datta A.K. 1987, *Waste Water Treatment*, Oxford & IBH Publ. Co. Pvt. Ltd.

**Course Title: Design Sketching**  
**Course Code: BFT507**

L	T	P	Cr
0	0	2	1

**Learning Outcomes**

On the completion of the course the students will be able to

1. About Know the fundamental and principles of figure design Sketching
2. About Knowledge about different illustration techniques and dynamic figure sketching
3. Learn different types of Design Sketching.
4. Know about textures of fabrics such as silk, satin, velvet, denim, corduroy.

**Course Content**

**UNIT I**

**3 hours**

1. Design Basics – Types, design development, , pattern and layout, design manipulation,
2. Inspiration from nature and history. Types of motifs from India, China, Japan Persia traditional stylized, geometric, abstract.

**UNIT II**

**5 hour**

1. Fashion design – Definition, Fashion categories based on age and activity – Types- casual,
2. Formal, sports and ethnic.
3. Flat sketch and spec- Its importance and application, design sketching, ways of layout, flats
4. for men, women and children's wear.

**UNIT III**

**3 hours**

1. Designing of dress based on figure types- colour combination, various garment to create
2. optical illusion.
3. Clothing and personality, Clothing and attitude, Clothing and motivation, Grooming.

**UNIT IV**

**4 hours**

1. A detail study on one Indian and International designer – concept, design, creation and
2. collection of Gianni Versace, coco channel, Balenciaga, Stella McCartney, Anita Dongre,
3. Ritu Kumar, RituBerri , Wendell Rodricks, Raghavendra Rathod, Sabyasachi Mukherjee.
4. Study of advanced illustrative Techniques and three dimensional views.

**Transactional Modes:**

Group Discussions, Questions , Project Based Learning, Video Based Teaching

**Suggested Readings:**

- Bush. G, " Psychology of clothing", London 1990
- Ireland, " Fashion Design illustration- Children", B. T. Batsford, London, 1996

**Course Title: Fashion Merchandising**  
**Course Code: BFT508**

L	T	P	Cr
0	0	4	2

### Learning Outcomes

On the completion of the course the students will be able to

1. Gain knowledge of the industry, industry specifications, non- discrimination and diversity in the workplace.
2. Learn applied managements topic to manage, control and improve industry environment.
3. Understand concepts such as Critical thinking math, science skills for problem solving.
4. Know organization and structure of global textile/apparel complex.

### Course Content

#### UNIT I

**7 hours**

1. Define merchandising and its application to the Fashion industry.
2. Explain target market and describe in terms of fashion market.
3. Demographics and psychographics.

#### UNIT II

**8 hours**

1. Describe merchandising policies according to:
2. Fashion cycle.
3. Quality of product.
4. Price of product.
5. Depth and breadth of brand.

#### UNIT III

**10 hours**

1. Demographics, psychographics and global impacts.
2. Merchandising policies.
3. Planning and Preparation.
4. Strategies & terminology.

#### UNIT IV

**5 hours**

1. Fashion visual merchandising
2. Element and function of visual merchandising
3. Store exterior
4. Role of merchandising in fashion industry

### Transactional Modes:

Group Discussions ,Questions , Project Based Learning ,Video Based Teaching

### Suggested Readings:

- Pooja Chately, 2005 *Fashion Merchandising & Marketing*, Publisher Kalyani Publisher.
- Dickerson, 2007 *Fashion from Concept to Consumer* Publisher Pearson

**Course Title: Quality Control Process****Course Code: BFT509**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr</b>
<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>

**Learning Outcomes**

On the completion of the course the students will be able to

1. Determine several quality concept,
2. Able Quality Assurance System and Total Quality Management,
3. Able the main attributes of Quality Assurance System
4. Define the Total Quality Control Process.

**Course Content****UNIT I****9 hours**

1. Quality: Definition, Importance and Role, Cost of Quality.
2. Introduction to TQM, Concept of Six Sigma, Planning Continuous Improvement: Effective Team Development, Internal Customer Supply Chain.

**UNIT II****8 hours**

1. Leadership, Supplier Relationship.
2. Quality Expectations of International Buyers and Quality of Indian Apparel in International Market.

**UNIT III****7 hours**

1. Inspection Procedures: Raw Material Inspection, In process Inspection, Final Inspection, How Much to Inspect, Sampling.
2. Care Labeling of Apparel and Textiles. Standards: Definition, Benefits, Levels of Standards, Sources of Standards: ASTM, BIS, AATCC, ANSI, BSI, ISO, ISO 9000 Series

**UNIT IV****6 hours**

1. Clothing and Hazard: Product Liability, Drawstrings in Children's Clothing, Flammability in Children's Sleepwear, Small Parts Hazard.

**Transactional Modes:**

Group Discussions , Questions , Project Based Learning , Video Based Teaching.

**Suggested Readings:**

- Gerry Cooklin, Introduction to Clothing Manufacture, 2007, Om Books Services.
- Vidyasagar, Encyclopedia of Textiles, 2000, Mittal Publications.
- Lindsay, The Management of Control of Quality, (7th edition), 2008, Thomsan Business Info.



**Course Title: Indian Textile Embroidery**  
**Course Code: BFT510**

<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr</b>
<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>

### **Learning Outcomes**

On the completion of the course the students will be able to

1. Appreciate the finer nuances of embroideries.
2. Classify the regional embroideries of India.
3. Identify a specific embroidery style of India on the basis of colours, motifs and layout.
4. Identify the influencing factors for development and evolution of a specific embroidered textile.

### **Course Content**

#### **UNIT I**

**7 hours**

**Introduction to traditional embroidered textiles from different regions of India.**

**Categorization of embroidery styles on the basis of region:**

#### **1. North India:**

1. Kashida from Kashmir.
2. Phulkari from Punjab.
3. ChambaRumal from Himachal Pradesh.

#### **2. Western India:**

1. Embroidery from Gujarat.
2. Parsi embroidery.

#### **3. Central India:**

1. Chikankari from Uttar Pradesh.
2. Patti kaKaam from Uttar Pradesh.
3. Zardozi from Uttar Pradesh

#### **4. Southern India:**

- (i) Kasuti from Karnataka.
- (ii) Lambadi embroidery from Andhra Pradesh

#### **5 Eastern India:**

- (i) Kantha from West Bengal.
- (ii) Sujani from Bihar, Pipli appliqué from Orissa.

**UNIT II**

**8 hours**

**Introduction to traditional resist-dyed textiles from different regions of India.**

**1. Categorisation of ikat styles on the basis of region:**

1. Patola from Gujarat.
2. Bandhas from Odisha.
3. Pochampalli & TeliaRumal from Andhra Pradesh.

**2. Categorisation of tie-dyed textiles on the basis of region:**

1. Bandhani from Gujarat.
2. Bandhej & Leheriya from Rajasthan

**UNIT III**

**7 hours**

**1. Introduction to traditional block printed textiles from different regions of India.**

**Categorization of block printing styles on the basis of region:**

1. Bagru prints from Rajasthan.
2. Sanganer prints from Rajasthan.
3. Kalamkari from Andhra Pradesh.

**Study of the above mentioned block printed textiles with reference to origin, technique, raw material, colours, motifs and layout.**

**Overview of the historic block printed textiles and the contemporary scenario.**

**UNIT IV**

**8 hours**

**Introduction to traditional hand-woven textiles from different regions of India.**

**Categorisation of weaving styles on the basis of end product:**

**Saris.**

1. Benaras Brocades.
2. Bauchari, Jamdani.
3. Paithani.
4. Kanjeevaram.
5. Chanderi, Maheshwari.

**Shawls.**

1. Kashmir shawl.
2. Kullu & Kinnaur.
3. Wraps of North-east.

**Floor coverings.**

1. Carpets.
2. Durries.

**Study of the above mentioned hand-woven textiles with reference to origin, technique, raw material, colours, patterns, layout and end product.**

**Overview of the historic hand-woven textiles and the contemporary scenario**

**Transactional Modes:**

Group Discussions, Questions, Project Based Learning, Video Based Teaching.

**Suggested Readings:**

- Traditional Indian Textiles, Students Handbook & Practical Manual, Published by CBSE.

<b>L</b>	<b>T</b>	<b>P</b>	<b>Cr</b>
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**Course Title: Industrial Training/ Internship**  
**Course Code: BFT601**

NA	NA	NA	20
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### **Learning Outcomes**

On the completion of the course the students will be able to

1. Demonstrate practical and professional skills to operate the industrial machinery and equipment of garment construction and will be able to manage work. That will help throw out their careers in fashion industry.
2. Gain knowledge of report writing techniques by making a report of their training.
3. Implement the techniques and process to prepare and give a presentation.
4. Learn how to work in the garment production industry.

### **Course Contents:**

#### **Modules:**

Industrial File –  
 Art portfolio -

#### **Transactional Mode**

Video Based Teaching, Group Discussions, Quiz , Project Based Learning