# Guru Kashi University



# Diploma in Fashion Technology

# Session: 2022-23

# Department of Fashion Technology

**PROGRAMME COURSE OUTCOMES**

- To impact in the learner the basic knowledge related to textile used in the Clothes and develop skills for their optimum utilization
- To develop in the learner an understand that clothes are much more than protection from the elements.
- To orient them with the educational and vocational scope of Fashion Designing and the need to develop entrepreneurship.
- To make aspiring Fashion Designer can look forward to their share of excitement in their chosen field.
- To apply psychological science in the context of fashion to enable an evidence based understanding of human behavior across the broad spectrum of the fashion industries.

| Semester-I | | | | | | |
|---|---|---|---|---|---|---|
| **Course Code** | **Course Name** | **Type of course** | **L** | **T** | **P** | **Credits** |
| DFT101 | Communication Skills-I | T | 4 | 0 | 0 | 4 |
| DFT102 | Elements of design | T | 3 | 1 | 0 | 4 |
| DFT103 | Drafting & Pattern Making | T | 2 | 1 | 0 | 3 |
| DFT104 | Fundamental of Computer | T | 3 | 0 | 0 | 3 |
| DFT105 | Elements of design Lab | P | 0 | 0 | 4 | 2 |
| DFT106 | Drafting & Pattern Making Lab | P | 0 | 0 | 4 | 2 |
| DFT107 | Fundamental of Computer Lab | P | 0 | 0 | 4 | 2 |
| **Total** | | | **12** | **2** | **12** | **20** |

| Semester-II | | | | | | |
|---|---|---|---|---|---|---|
| **Course Code** | **Course Name** | **Type of course** | **L** | **T** | **P** | **Credits** |
| DFT201 | Communication Skills-II | T | 5 | 0 | 0 | 5 |
| DFT202 | Sewing Techniques & Equipment | T | 3 | 1 | 0 | 4 |
| DFT203 | Fashion Studies | T | 3 | 1 | 0 | 4 |
| DFT204 | Textile Studies-I | T | 4 | 0 | 0 | 4 |
| DFT205 | Sewing Techniques & Equipment Lab | P | 0 | 0 | 6 | 3 |
| DFT206 | Fashion Illustration-I Lab | P | 0 | 0 | 6 | 3 |
| DFT207 | Textile Studies-I Lab | P | 0 | 0 | 6 | 3 |
| **Total** | | | **15** | **2** | **18** | **26** |

## 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 courses

### SEMESTER-I

**Course Title: Communication Skills-I**
**Course Code: DFT101**

| L | T | P | Cr. |
|---|---|---|-----|
| 4 | 0 | 0 | 4 |

**Learning Outcomes:**
On the completion of the course students will be able

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**                                                                 **19 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**                                                                **18 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**                                                                      **20 hours**

1. Nonverbal Communication- understanding what is called nonverbal 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**                                                                       **18 hours**

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

**Transaction mode**

Quiz, Project Based Learning, Video Based Teaching, Question, Open Talk

**Suggested Reading:**
1. "Effective Business Communication", M.V. RODRIGUEZ
2. "Living English Structure", W. Standard Allen (Orient Longman)
3. "Business Communication", Menasha Raman, Parkash Singh, Paperback Edition, Oxford University Press.

**Course Title: Elements of design**
**Course Code: DFT102**

| L | T | P | Cr. |
|---|---|---|-----|
| 3 | 1 | 0 | 4 |

**Learning Outcomes:**
On the completion of the course students will be able

1. Understand the concept of designing.
2. Equip students with the knowledge required for application of elements of Design in the context of fashion.
3. Create compositions using various color schemes.
4. 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)
2. Texture- Factors affecting textures, Form-Shape/silhouettes.
3. Color- Color Dimensions of color- hue, Intensity, value, Aspects of color-warm cool, Advancing, receding, dark, pale and bright. Color wheel-Primary colors, secondary colors, and tertiary colors.
4. Basic color 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.
   Designing of clothes for different age groups using principles and Elements of design and its advantages on appears

**UNIT III**           **15 hours**

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

**UNIT IV**           **16 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 Various types of figures, selecting and designing clothing according to figure types

**Transaction mode**

Quiz, Project Based Learning, Video Based Teaching, Question, Open Talk

**Suggested Reading:**

- Bustanoby.J.H., 1947 *Principles of color & color 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: DFT103**

| L | T | P | Cr. |
|---|---|---|-----|
| 2 | 1 | 0 | 3 |

**Learning Outcomes:**

On the completion of the course students will be able

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                                                         15 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, trueing 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:
   Measuring tools
   Marking tools
   Cutting tools
   Finishing tools

## UNIT II                                                        16 hours

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

## UNIT III                                                       12 hours

1. Importance of Drafting & Pattern Making and their scope,
2. Darts, formation of darts.
3. Pattern Development: Drafting, Flat Pattern, Slash and Spread and Pivot methods.

## UNIT IV                                                        17 hours

1. Basics of Commercial paper pattern-
   Pattern Envelope
   Pattern Marking
   Pattern Layout

**Transaction mode**

Quiz, Project Based Learning, Video Based Teaching, Question, Open Talk

**Suggested Reading:**

- "Basic Process and Clothing Construction" By Shree Doongaji and Roshani Desh Pande, Publisher Unique Education Books, Raj Parkashan, New Delhi.
- Mullick, Prem Lata, "Garment Construction Skills", Kalyani Publishers, New Delhi
- Hillhouse and Mansfield, "Dress Design, Draping and Flat Pattern Making", HoughtonMiffic Company 1975.
- Jaffe Hilde and Relis Nurie, "Draping for Fashion Design", Prentice Hall Crawford Amaden, "The Art of Fashion Draping", Fairchild Publishers
- "Complete Guide to Sewing", Reader Digest
- Winfred Aldrich, Metric Pattern Cutting, Blackwell Science, UK
- Carr Harold & Latham Barbara, "The Technology of Clothing Manufacture", Oxford
- Pub. USA, 1994. Cooking G, "Introduction to Clothing Manufacture", Blackwell Science, UK, 1991
- Bane Allye, "Flat Pattern Design", McGraw Hill Pub, USA.

**Course Title: Fundamental of Computer**
**Course Code: DFT104**

| L | T | P | Cr. |
|---|---|---|-----|
| 3 | 0 | 0 | 3 |

**Learning Outcomes:**
On the completion of the course students will be able

1. Gain well knowledge of computer just like characteristics of computer, Generation of computer, computer number system etc.
2. Known about computer hardware and software that kind of information very useful for students
3. This day's internet most important part of life so student will learn about internet and advantages of internet in our life.
4. Learn about the computer languages and how work.

# Course Content

**UNIT I**                                                      **15 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**                                                     **14 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                                                          15 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                                                           16 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**

Quiz, Project Based Learning, Video Based Teaching, Question, Open Talk

**Suggested Reading:**

1. "Foundations of Computing", P.K. Sinha and P. Sinha, First Edition, 2002, BPB.
2. "Computers Today", D. H. Sanders, Fourth Edition, McGraw Hill, 1988.
3. "Fundamentals of Computers", V. Rajaraman, Second Edition, Prentice Hall of India,
4. New Delhi, 1996.
5. "Information Technology", Satish Jain, Paperback Edition, BPB 1999.
6. "Fundamentals of Information Technology", Chetan Srivastva, Third edition, Kalayani Publishers.

**Course Title: Elements of Design Lab**
**Course Code: DFT105**

| L | T | P | Cr. |
|---|---|---|-----|
| 0 | 0 | 4 | 2 |

**Learning Outcomes:**
On the completion of the course students will be able
1. Be able to use elements and principals of design to design garments
2. Able to understand color wheel and color schemes and also able to use these in their designing effectively.

3. Understand different type of textures.
4. Able to understand textures of fabrics such as silk, satin, Velvet, Denim, corduroy and understand rendering techniques.
5. Be able to use these designing techniques and textures to design garments.

## Course Content                                    45 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.
4. Draw design using Color Aspects in designs -warm, cool, hot, cold, dark, pale and bright.
5. Make design with achromatic, analogues, monochromatic, complimentary, and neutral color schemes.
6. Make different types of collage.
7. Adaption of different types of textures (50 types)
8. Texture of fabrics- silk, satin, velvet, denim, corduroy, net, fur, knitting
9. Rendering techniques

**Suggested Reading:**

- Haslam, A. (2006). Book design. Laurence King Publishing.
- Leborg, C. (2006). Visual Grammar: A Design Handbook (Visual Design Book for Designers, Book on Visual Communication). Princeton Architectural Press.

**Course Title: Drafting and Pattern Making Lab**
**Course Code: DFT106**

| L | T | P | Cr. |
|---|---|---|-----|
| 0 | 0 | 4 | 2 |

**Learning Outcomes:**

On the completion of the course students will be able

1. Be able to take correct measurements.
2. Know about the tools and equipment's used to make patterns and sewing of fabrics.
3. Know about the different type of sewing machines its parts, working and maintenance.
4. Know about all the issues and methods related to fabric care and estimation for garment construction.
5. Know about different kinds of patterns developing and grading methods and techniques.
6. Be able to do fabric layout and handles special fabric.

## Course Content                                    45 hours

1. Standard Measurements chart for children.
2. Developing pattern of Basic Bodice Block of a Child and sleeve block.

3. Adaptation of sleeve block to:  -Set-in-sleeves –Plain, Puff, Cap, Bell, Umbrella, Flared -Part bodice in sleeve - Raglan, extend bodice sleeve – Magyar
4. Adaptation of collars: Peter Pan, Raised peter pan, Cape, Baby collar, Mandarin
5. Basic Skirt Block & its adaptation to: Straight skirt, A-line skirt, Gathered, Pleated Circular skirt-full and half.
6. Pockets – Patch, , inseam, bound, flap, Kangaroo pocket
7. Pattern of kid's casual wear-Slip, panty and romper.
8. Drafting for the Basic Bodice Block of a child on full scale.
9. Developing full scale Paper Patterns for basic body block, Collars, Skirts and casual wear

**Suggested Reading:**
- Matthews-Fairbanks, J. L. (2018). Pattern Design: Fundamentals: Construction and Pattern Drafting for Fashion Design. Fairbanks Publishing LLC.
- Goodyear, P., & Retalis, S. (2010). Technology-enhanced learning: Design patterns and pattern languages. BRILL.

**Course Title: Fundamental of Computer Lab**
**Course Code: DFT107**

| L | T | P | Cr. |
|---|---|---|-----|
| 0 | 0 | 4 | 2 |

**Learning Outcomes:**
On the completion of the course students will be able

5. Gain well knowledge of computer just like characteristics of computer, Generation of computer, computer number system etc.
6. Known about computer hardware and software that kind of information very useful for students
7. This day's internet most important part of life so student will learn about internet and advantages of internet in our life.
8. Learn about the computer languages and how work.

# Course Content                                      30 hours
1. Introduction of Microsoft word and Microsoft PowerPoint and Excel.
2. Mathematical operations in excel.
3. Using Outlook.
4. Making presentations of reports in word, excel, PowerPoint.
5. Make presentation in PowerPoint with its multimedia
6. Implementation of PowerPoint, word, excel tool.
7. Introduction to coral draw and tools.

**Suggested Reading:**
- "Foundations of Computing", P.K. Sinha and P. Sinha, First Edition, 2002, BPB.
- "Computers Today", D. H. Sanders, Fourth Edition, McGraw Hill, 1988.
- "Fundamentals of Computers", V. Rajaraman, Second Edition, Prentice Hall of India,
- New Delhi, 1996.
- "Information Technology", Satish Jain, Paperback Edition, BPB 1999.
- "Fundamentals of Information Technology", Chetan Srivastva, Third edition, Kalayani Publishers.

## SEMESTER-II

**Course Title: Communication Skills-II**
**Course Code: DFT201**

| L | T | P | Cr. |
|---|---|---|-----|
| 5 | 0 | 0 | 5 |

**Learning Outcomes:**
On the completion of the course students will be able

This subjects seeks to develop the student's ability in communication skills such as reading, writing, & study skills.
1. It will improve their speaking ability in English both in terms of fluency and comprehensibility.
2. It will increase their reading speed and comprehension of academic article.
3. It will strengthen their ability to write academic paper, essay and summaries using the process approach.
4. It gives knowledge about like giving presentation appearing in an interview, group discussion for acquiring job opportunities.

## Course Content

### UNIT I                                                    20 hours

**Introduction to Business Communication:** Meaning and Definition; process and classification of communication; elements &characteristics of communication; barriers to effective communication in business organization; Formal and Informal communication; grapevine, importance of effective communication in business house; Principals of effective communication.

### UNIT II                                                   18 hours
**Writing Skills:** Inter-office memorandums; faxes; E-mails; writing effective sales letters - to agents; suppliers; customers; report writing; project writing.

**UNIT III**                                                                19 hours

**Curriculum Vitae (CV):** Drafting a CV; writing job application and other applications; do's and don'ts while appearing for an Interview; types of interview.

**UNIT IV**                                                                 18 hours

**Presentation Skills:** Introduction; need of good presentation skills in professional life; preparing a good presentations; group discussion; extempore speaking.
**Interviews:** Tips, dos and don'ts for job and higher studies

**Transaction mode**

Quiz, Project Based Learning, Video Based Teaching, Question, Open Talk

**Suggested Reading:**
- "Effective Business Communication", M.V. RODRIGUEZ
- "Living English Structure", W. Standard Allen (Orient Longman)
- "Business Communication", Menasha Raman, Parkash Singh, Paperback Edition, Oxford University Press.

**Course Title: Sewing Techniques & Equipment's**
**Course Code: DFT202**

| L | T | P | Cr. |
|---|---|---|-----|
| 3 | 1 | 0 | 4   |

**Learning Outcomes:**
   On the completion of the course students will be able

# Course Content

**UNIT I**                                                                  16 hours

   1. Introduction to sewing, sewing equipment's and supplies.
   2. Introduction and handling of sewing machines, its parts, their working Different types of sewing machines.

**UNIT II**                                                                 13 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**                                                                15 hours
   1. Terminology and Classification used in:
   - Collars
   - Sleeves
   - Pockets
   - Yokes
   - skirts

**UNIT IV** **16 hours**

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

**Transaction mode**

Quiz, Project Based Learning, Video Based Teaching, Question, Open Talk

**Suggested Reading:**

- "Basic Process and Clothing Construction" By Shree Doongaji and Roshani Desh Pande, Publisher Unique Education Books, Raj Parkashan, New Delhi.
- "Garment Construction Skills" By Mullick Pr

**Course Title: Fashion Studies**
**Course Code: DFT203**

| L | T | P | Cr. |
|---|---|---|-----|
| 3 | 1 | 0 | 4 |

**Learning Outcomes:**

On the completion of the course students will be able

1. Know about the classification of Fashion and fashion cycle.
2. Also get the knowledge about the life and works of Indian and International Fashion Designers.
3. Know to organize fashion show and fashion weeks.
4. With the help of this subject students also get the knowledge about the different career opportunities in fashion designing and fashion industries.

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

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

**UNIT II** **15 hours**

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

## UNIT III                                                    13 hours

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

## UNIT IV                                                     16 hours

1. International Fashion centers- Paris, Milan, London, New-York
2. Brief introduction to International Fashion Designers and their style statement- Versace, George Armani, Coco-Chanel, Paul Poiret, Christian  Dior
3. Fashion Shows
4. Fashion weeks

**Note**: The students are required to prepare power point presentation/ seminar / poster presentation or window display on any one topic of the above.

**Transaction mode**

Quiz, Project Based Learning, Video Based Teaching, Question, Open Talk

**Suggested Readings:**

- "Dynamics of Fashion" By Elaine Ellen, Publisher Fairchild.
- Stephens, Gini. Fashion Concept to Consumer, Prentice Hall International, New Jersey 1999.
- Stone, Elanie & Samples, Jean. A., Fashion Merchandising, McGraw Hill, New York.
- Lyle, Dorothy, Contemporary Clothing, Bennett And Mc Knight Publishing Company, Peoria Illinois
- Sengupta., Hindol., Indian Fashion, Pearson Education, New Delhi 2005.
- Jain, Payal. Fashion Studies: An Introduction, Har Anand Publication 2004.
- Frings. Fashion Concept to Consumer, 3rd Edition, Prentice Hall International, New Jersey 1991.

**Course Title: Textile Studies - I**
**Course Code: DFT204**

| L | T | P | Cr. |
|---|---|---|-----|
| 4 | 0 | 0 | 4 |

**Learning Outcomes:**
On the completion of the course students will be able

1. Learn about various techniques and process of designing textile, along with dying and printing.
2. Study about various dimensions of yarns like types of yarns, yarn size and twist.
3. Gain extensive knowledge on wearing- primitives, accessories required for wearing.
4. Learn the concepts related to historical background of textile fashion.
5. Learn the concepts related to design production.

## Course Content
### UNIT I                                                                15 hours

1. Introduction to textile fiber & terminology
2. Classification of fibers based on their source and origin
3. Primary and secondary properties of textile fibers
4. Manufacturing and properties (Physical and Chemical) of natural fibres- cotton, linen, silk, wool
5. Manufacturing and properties (Physical and Chemical) of manmade fibres- Rayon, Nylon, Polyester, Glass fibre

### UNIT II                                                               14 hours
1. Introduction to Yarn- Classification of yarns
   - Simple yarns- single, multiply and cord yarns
   - Novelty yarns- slub, spiral, boucle, grenalelle, nub, chennile
   - Textured yarns- stretch yarns, bulk yarns
   - Blended yarns
   - Yarn properties to fabric performance – yarn liner density, twist in yarn, twist direction and strength, yarn count and yarn numbering system
2. Different methods of Yarn spinning (mechanical spinning and chemical spinning) -
   - Wet
   - Dry and
   - Melt spinning

### UNIT III                                                              15 hours

1. Introduction to fabric construction and fabric properties
   - Loom its parts & basic operations & classification and Physical properties of fabric ( Fabric strength, abrasion resistance crease recovery, stiffness, drapability, static electricity, Thermal conductivity, air permeability, water repellency, thickness, shrink resistance, pilling resistance)
   - Fabric count
   - Weaves
   - Weaving terminology

### UNIT IV                                                               16 hours
1. Weaves
   - Weaving terminology
   - Classification of weaves-

Plain weave- Rib weave, Basket, Twill ( right handed twill, left handed twill, even & uneven twill), Satin, Sateen

Decorative weaves- Pile, Double cloth weave leno, Swivel, Tapestry, Dobby and Jacquard weave, Backed fabrics

**Transaction mode**

Quiz, Project Based Learning, Video Based Teaching, Question, Open Talk

**Suggested Reading:**

- Corbman., P. B., Textiles Fibre to Fabric Gregg, Division, Mc Graw Hill Book.
- Phyllis, G. Tortora., Understanding Textile, (2nd Edition), Mc Millan Co.,USA 1987.
- Gioello, Debbie Ann., Understanding fabrics from fibers to finished clothes, Fairchild Publication, New York 1982.

**Course Title: Sewing Techniques & Equipment Lab**

**Course Code: DFT205**

| L | T | P | Cr. |
|---|---|---|-----|
| 0 | 0 | 6 | 3 |

**Learning Outcomes:**
On the completion of the course students will be able

1. Construct tailored garments, in correct sequence of operations.
2. Create a lot of many designs of fabric with in a given frame of time.
3. They can open their own boutiques to promote their various designs in fabric construction
4. Articulate design ideas verbally, visually and digitally.

# Course Content                                                  45 hours

1. Basic Hand Stitches: Basting-even, uneven and diagonal, Tailor's tacks, Back stitch, Hemming- visible and invisible
2. Application of Fasteners: Buttons and buttonholes, hooks and eyes, hammer ones.
3. Sewing Technology: Exercise of machine's control on speed, paper exercises and fabric exercises.
4. Different types of seams and seam finishes.
5. Seams & Seam finishes – Plain, French, run and fell, run and hem, slot, lap, piped, counter seam, counter hem, fringe , overcast seam finish, double stitched finish, herringbone finished, edge stitched seam, bound seam finish, pinked seam.
6. Application of shaping devices:
7. Tucks – Plain, cross, shell, released, group.
8. Pleats - knife, box, inverted box,
9. Gathers & Ruffles.
10. Necklines-Round, square, V shape etc.
11. Zips and Fasteners
12. Collars, sleeves

13. Yokes
14. Construction of a baby garments using any collar, sleeve, yoke, placket, pocket and fastener.-Slip, panty, romper, baby frock.

**Suggested Reading:**
- Wellesley-Smith, C. (2015). Slow stitch: Mindful and contemplative textile art. Batsford Books.
- Falana, M. Y. Home Sewing For Family Survival and Economic Stability: Strategy for Improving Home Making in Ondo Town.
- Nayak, R., & Padhye, R. (Eds.). (2015). Garment manufacturing technology. Elsevier.

**Course Title: Fashion Illustration- I Lab**
**Course Code: DFT206**

| L | T | P | Cr. |
|---|---|---|-----|
| 0 | 0 | 6 | 3 |

**Learning Outcomes:**
On the completion of the course students will be able
1. Analyze and use of color units effectively in their design process.
2. Develop a library of fashion croquet/templates.
3. They can make portrait and in the spot paintings and make name and fame in the society.
4. Articulate design ideas verbally, visually and digitally.

# Course Content                                    45 hours
1. Face analysis.
2. Draw features of eyes, nose, ear, lips, face, hands, arms, feet, legs and hairstyles.
3. Figure analysis.
4. Fashion figure - 8½, 10 and 12 heads, front, back and ¾ profiles.
5. Fleshing on block figures.
6. Body line reading through different poses.
7. Make stick figures in different poses.
8. Make geometric figure.
9. Illustrate a figure using texture in the garment.
10. Stippling and Hatching.
11. Detail in study of light and shade of different types of folds, gathers and shape of fabric in dresses.

**Suggested Reading:**
- Watanabe, N. (2009). Contemporary fashion illustration techniques (p. 128). Rockport Publishers.
- Kiper, A. (2016). Fashion illustration: Inspiration and technique. David and Charles.
- Glenville, T. (2013). New icons of fashion illustration. Hachette UK.

**Course Title: Textile Studies – I Lab**
**Course Code: DFT207**

| L | T | P | Cr. |
|---|---|---|---|
| 0 | 0 | 6 | 3 |

**Learning Outcomes:**
On the completion of the course students will be able

1. Able to identify the type of fiber through different type of fiber identification tests.
2. Able to identify different types of blends, weaves and yarns.
3. Able to evaluate color fastness of fabric through different methods.
4. Able to identify yarn crimp, twist and yarn count.
5. Gain practical knowledge about the machinery, departments and working of textiles industry.
6. Create interest in a student to pursue higher studies in textiles specialization.

# Course Content                                    45 hours

1. Fiber identification- Visual, burning, microscopic and solubility test – (cotton, wool, silk, nylon, rayon, polyester)
2. Identification of blends
3. Identification of weaves.
4. Identification of types of yarn.
5. Fabric count
6. Evaluation of crimp and twist in yarn.
7. Evaluation of color fastness to washing, ironing, crocking, perspiration and sunlight.
8. Types of bleaches and its effect on fabric
9. Visit to a Textile industry

**Note:** The students are required to prepare a file containing various suitable fabrics available in the market for kids wear, women wear, men wear and household items.

**Suggested Reading:**
- Clarke, S. (2011). Textile design. Laurence King.
- Scott, R. A. (Ed.). (2005). Textiles for protection. Elsevier.
- Houck, M. M. (Ed.). (2009). Identification of textile fibers.