

## TEXTILE STUDIES & SURFACE TECHNIQUES I

**Course Code :**

**Course Name :** Textile Studies & Surface Techniques

**Credits : 6**

**Pre-Requisite : NIL**

**Hours : 165**

**Aim** – Through this module the students will be learning the basic components of textiles and the various processes involved in production of the textiles. The learners will also develop understanding of differentiation between types of fabrics. They will be introduced to various techniques of manipulating the textiles and basic ornamentation and embroideries.

Units	Course Contents	No. of hours
Unit I	<p><b>Fiber Morphology</b></p> <ul style="list-style-type: none"> <li>● Flow chart from fiber to fabric.</li> <li>● Fiber / spinning/dyeing / weaving / printing / value addition finishes / embroidery.</li> <li>● Fiber classification – Natural / Man-made.</li> </ul>	20
Unit II	<p><b>Properties and Fiber Identification</b></p> <ul style="list-style-type: none"> <li>● Properties of fibers (Natural and Man made) - water absorption / elasticity / conductivity / melting point / abrasion resistance, etc.</li> <li>● Different methods of fiber identification - physical examination / burning test / chemical test.</li> </ul>	25
Unit III	<p><b>Yarn Formation Process and Properties of Yarns</b></p> <ul style="list-style-type: none"> <li>● Different types of yarns- worsted / carded / blended / novelty yarns.</li> <li>● Yarn formation process (cotton yarn, woolen / worsted yarn, synthetic or blended yarn) - opening, cleaning, carding, doubling, combing, drawing, roving, spinning.</li> <li>● Yarn Twist –S and Z</li> <li>● Count and Denier systems</li> </ul>	30
Unit IV	<p><b>Surface Design Techniques</b></p> <ul style="list-style-type: none"> <li>● Introduction to Various surface design Techniques</li> <li>● Sewing techniques -Tucks, Pleats, Gathering, Ruffles and Smocking</li> <li>● Hand Embroidery - Basic Stitches of hand embroidery Running, Chain, lazy-daisy, feather, herringbone, buttonhole, Cross, French knot and Satin Stitch</li> </ul>	45

<b>Unit V</b>	<b>Dyeing and printing</b> <ul style="list-style-type: none"> <li>• Plain Dyeing and resist dyeing</li> <li>• Discharge/ Bleaching Techniques</li> <li>• Stencil printing, Impression, Block and screen printing</li> </ul>	45
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### Learning Outcome:

- Students will be able to gain overview of the Fabric making process and technical Knowledge of the yarn formation.
- Students will be able to identify and differentiate different types of fabrics
- Students will be achieve skills of adding value to the fabrics through various Surface design techniques to incorporate in design.

### Assessments

Assessment 1 50% – 1A -Swatch file with burning tests and  
1B -Surface Design Techniques File  
Assessment 2 50% - Internal Theory Paper

### Learning and Teaching Strategy

The course is delivered via face-to-face mode; Classes will consist of lectures, demonstrations or tutorials, workshops, field visits, presentations

### References

Fabric Studies by KVP Singh, Kalyani Publishers  
Textiles – Fiber to Fabri , Bernard P. Coberman McGraw Hill

## PATTERN MAKING & GARMENT CONSTRUCTION-I

**Course Code :**

**Course Name :** Pattern making & garment construction -I

**Credits : 6**

**Pre-Requisite : NIL**

**Hours : 180**

**Aim** – The Course aims at providing the students the knowledge of the basic required to draft a pattern and the understanding of basic components of garment making . The Units cover all the basic that will lead to a strong foundation in Pattern making and construction skills.

Units	Course Contents	No. of hours
Unit I	<b>Sewing machine</b> <ul style="list-style-type: none"> <li>● Introduction of Sewing machine and its parts</li> <li>● Operating the sewing machines</li> <li>● Basic Measurement Chart- Female</li> </ul> <b>Garment Construction Techniques</b> <ul style="list-style-type: none"> <li>● Stitch and machine practice</li> <li>● Types of stitches.</li> <li>● Sewing problems and remedies</li> </ul>	15
Unit II	<ul style="list-style-type: none"> <li>● Types of seams &amp; seam finishes.</li> <li>● Zipper attachment – Visible, Invisible</li> <li>● Types of pockets- Patch, Inseam, Flap</li> <li>● Elastic attachment</li> <li>● Types of Placket</li> </ul>	35
Unit III	<b>Pattern Making</b> <ul style="list-style-type: none"> <li>● Basic Skirt, Bodice and Sleeve Block</li> <li>● Basic manipulation techniques</li> <li>● Variation of skirt - A-line, Gathers</li> <li>● Sleeves variations- Any three</li> <li>● Basic necklines and collar variations- V, Glass, square necklines, Peterpan collar, cape collar.</li> </ul>	40
Unit IV	<b>Garment Construction</b> <ul style="list-style-type: none"> <li>● Construction of Skirt with waistband and Zipper attachment</li> <li>● Construction of basic bodice with</li> <li>● one sleeve attachment and shaped facing at one armhole</li> <li>● Bias binding at hem and turn edge finish at sleeve bottom</li> </ul>	90

**Learning Outcome:**

1. The students will be able to understand the basic principles of pattern making and construction
2. Students will be able to understand the process of garment realization for women's wear
3. Students will be able to understand the seams and finishes and their application in the garment

## Assessments

Assessment 1 (80%) – 1A- One file of garment construction with all class exercises (sample Size A4)  
1B- One File of Pattern Making with all the class exercise (with all technical details on the patterns)

Assessment 2 (20%) – Viva Voce

## Learning and Teaching Strategy

The course is delivered via face-to-face mode, Classes will consist of lectures, Demonstrations, Visits, Self-work by the students and presentations.

## References

- Amaden Connie And Crawford.(2005)The Art Of Fashion Draping .Om Book Service .
- Sallie3 D Marco .(2005)Draping Basics Fairchild Publications .
- J .Rodgers, M.Doyel, (2008) Fundamentals of Draping and Pattern Drafting and Drawing
- BinaAbling , Kathleen Maggio,(2008) Integrating Draping Drafting and Drawing .
- H.G Armstrong (2009) Pattern Making for Fashion Design, Prentice Hall , New York.
- D.McCunn.r.Lew (1977) How to make sewing patterns, Blue Feathers.
- K.R .Zarapkar .(2005) Zarapkar, System of cutting Navneet Publication , India
- N.R.Hollen , C.J Kundel,(1999) Pattern Making by Flat pattern Method Prentice Hall Publication.
- W Aldrich,(2008), Metric Pattern Cutting for Women’s Wear, Wiley Blackwell Publication

## Fashion Illustration and Design I

**Course Code :** FDSC101S

**Course Name :** Fashion Illustration and design -I

**Credits :** 6

**Pre-Requisite :** Nil

**Hours:** 180

**Aim** – The brief of this course is to extend learners understanding of the basic human body proportions and learn the dynamics of illustrating the garments on the real human body and the understanding of materials and to develop the skills to communicate their design ideas through rendered illustration and detailed flat sketches. The course will also include giving the basic understanding of the design Process and Boards.

**Hours:** 180

<b>Units</b>	<b>Course Contents</b>	<b>No. of hours</b>
<b>Unit I</b>	<b>Introduction to Drawing</b> <ul style="list-style-type: none"> <li>● Purpose of drawing for design</li> <li>● Tools and equipment's</li> <li>● Observation Drawing</li> <li>● Introduction to Various Color Mediums</li> </ul>	20
<b>Unit II</b>	<b>Elements and Principles of Design</b> <ul style="list-style-type: none"> <li>● Understanding of elements and principles of design</li> <li>● Location of elements and principles of design in Fashion</li> </ul>	30
<b>Unit III</b>	<b>Design Process- basic understanding of</b> <ul style="list-style-type: none"> <li>● Inspiration</li> <li>● Concept Boards and</li> <li>● Range Development.</li> </ul>	30
<b>Unit IV</b>	<b>Fashion Illustration</b> <ul style="list-style-type: none"> <li>● Basic understanding of Human and fashion figure</li> <li>● Basic Croqui's- Male, Female, Kids</li> <li>● Flashing</li> </ul>	50
<b>Unit V</b>	<b>Fashion Components</b> <ul style="list-style-type: none"> <li>● Silhouette, details, color medium, fabric, texture, Accessories drawing and rendering.</li> <li>● Introduction to Flat drawings</li> </ul>	50

### **Learning Outcome:**

- Students will be able to perform the basic operation of fashion design like making fashion Croqui'.
- Students will learn drawing of fashion postures with garments, fabric textures and their presentation.
- Students will be able to use different medium of rendering their illustrations.
- Students will be able to develop their own design process.

### **Assessments**

- Assessment 1** –Basic Illustrations Filed Submission - 25%
- Assessment 2** - Material, Textiles and Texture rendering swatches (20-25 ) - 25%
- Assessment 3** - Design Process Boards - 25%
- Assessment 4** - Flat Drawing and Components (hand done) - 25%

## Learning and Teaching Strategy

The course is delivered via face-to-face mode, Classes will consist of lectures, discussions, presentations, exercises, tutorials, project reviews.

## References

- Aldrich Winifred; Fabric, Form and Flat Pattern Cutting, Om Book Service, New Delhi
- Elaine Stone-The Dynamic of Fashion, Fairchild Publications, New York
- Bhargav R. 2005. Design Ideas & Accessories. Jain Publ.
- Carr Harold & John Pomeroy 1996. Fashion Design & Product Development. Blackwell Science.
- Taylor P. 1990. Computers in Fashion Industry. Heinemann
- [http://www.ehow.com/about\\_4565815\\_fashion-illustrators.html](http://www.ehow.com/about_4565815_fashion-illustrators.html)
- <https://www.udemy.com/blog/how-to-make-a-dress-pattern/?tc=blog.howtodrawfashionfigures>
- <http://www.abeautifulmess.com/2013/02/fashion-sketching-for-beginners.html>
- <http://www.howcast.com/videos/501928-How-to-Draw-a-Figure-Fashion-Sketching>