

**3<sup>rd</sup> SEMESTER**  
**SKILL ENHANCEMENT COURSE**  
**HSC318S2: TEXTILE & DESIGN**

(CREDITS - 4: THEORY- 2, PRACTICAL - 2)

**THEORY (Credits- 02)**

**UNIT I- Fibre, Yarn & Fabric**

- Definition- fibre, yarn, classification of yarns and textile fibres
- Colour - Dimensions, colour wheel, colour scheme, selecting the right colour scheme.
- Dyes and methods of dyeing.
- Finishes- Different preliminary treatments given to the fabrics.

**UNIT II - Printing, Crocheting and Knitting**

- Printing- Types of applied designs.
- Surface layering - Ari work, tilla work, applique work and crewel work.
- Crocheting- Yarns to use, crochet hooks, tension, making the first loop, holding the work, basic stitch ( chain stitch), slip stitch (sing crochet), Double crochet, Trebles.
- Knitting- holding the needles, methods of holding yarn, casting on slip knot, thumb method, basic stitch- knit stitch, purl stitch, casting off.

**PRACTICALS (Credits- 02)**

1. Fabric manipulation -cuts, removal of threads
2. Surface Decoration - Embroidery, Ari work, Embellishments
3. Design through colour application
  - Painting
  - Dyeing- Tie and dye, Batik
  - Printing- Discharge, Resist, Block, Screen, Stencil
4. Thread structure- macramé, braiding, lace making (crochet, tatting)
5. Surface layering
  - Applique- simple, cut, felt
  - Quilting- hand and machine
  - Pleats
  - Tucks
6. Product development using the above design exploration techniques

**RECOMMENDED READINGS**

1. Sushma Gupta, Neeru Garg and Renu Saina, 2005; Text Book of Clothing Textile and Laundry. Kalyani Publishers.
2. R. Vatsala-2003; Textbook of Textiles & Clothing, Indian Council of Agricultural Research; Publisher- Indian Council of Agricultural Research.
3. Deepali Rastogi & Sheetal Chopra- 2017; Text Book of Textile Science, Orient Blackswan Private limited.