

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E Semester: 3

Textile Production

Subject Code 132801

Subject Name Textile Design & Colour

Sr.No	Course contents
1.	Elements Of Colour :- Light and colour phenomenon. Physical basis of colour emissions, absorption of light. Primary, Secondary and Tertiary Colours. Complementary colours, Hues, Tints and Shades. Colours in combination and colours in contrast. Application of colour to woven fabrics. Influence of fabric characteristics (weave) on appearance of colour. Chromatic circle, colour vision - Pigment theory of colour, colour wheel, etc.
2.	Colour Harmony and Colour Modification :- Achromatic Harmony, Monochromatic Harmony, Analogous Harmony, High Key, Low Key, Mid Key Harmony, Change in Hue, Change in Value, neutralised colour.
3.	Elements and Principles of Design :- Natural Motif, Decorative Motif, Geometric Motif, Abstract Motif, line, direction, shape, size, texture, value, colour, repetition, alternation, harmony, gradation, contrast, dominance and subordination, unity balance. Origin and basis of patterns from historic and modern fabrics. Survey of designing methods, studio and workshop techniques. Free hand sketching, enlarging and arrangement of motifs. All over repeating design, half drop, diamond, ogee, weaved line, rectangular drop reverse, sateens, etc.
4.	Effect of raw material, weave and finish on the appearance and ornamentation of fabrics.

Reference Books:

1. Textile Design & Colour - Grosicki
2. Instrumental Colour Measurements and Computer Aided Colour Matching for Textiles – S.Shah, R.S.Gandhi
3. 3.Textile Colour Mixing - Paterson D.