

SECOND ALLIED COURSE II (AC) - WET PROCESSING

Unit I: - Pretreatment of Fabric:

Singeing, Desizing, Scouring, bleaching, Mercerization. Synthetic fiber heat setting. wool carbonizing. Degumming and weighting of silk.

Unit II: - Dyes:

Definition, Dyes and pigments, classification of dyes – Natural dyes, Synthetic dyes – Cationic & anionic dyes, acid, mordant, direct, azoic, disperse, sulphur, vat, reactive, pigment.

Unit III: - Fiber & Yarn dyeing

Fiber dyeing- Stock dyeing, Top dyeing

Yarn dyeing - Hank, package dyeing, warp beam dyeing, space dyeing. Identification of dyeing defects.

Unit IV: - Fabric

Fabric dyeing – Piece dyeing, Jigger dyeing, Beck dyeing, pad dyeing, Beam Dyeing, Jet dyeing, Vacuum impregnation, Foam dyeing, Solvent dyeing. Special dyeing effects – cross-dyeing, union dyeing, tone-on-tone effects.

Unit V: - Printing techniques:

Preparation of block, stencil, screens, rollers. – methods of printing using block, stencil, screens, rollers. Discharge printing, tie and dye and batik.

Reference:

1. Sara J. Radolph and Anna I. Langford, Textile, Prentice Hall, New Jersey, 2002.
2. C.W Pellow, Dyes and dyeing , Abhishek Publications, 2000.
3. Z.J. Grosicki ,Watson's design and Colour- Elementary Weaves and Figured Fabrics. Wood head Publishing Limited, 2004.