

| LESSON PLAN | | |
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| Sem./ Branch: 3rd Sem./ Text. Tech. | | Duration: 15 weeks |
| Subject: Fabric Structure-I | | Name of Faculty: Sunita Devi |
| Week | Theory Topics (4 Periods/ Week) | Practical (4 Periods/ Week) |
| 1 st | Classification of fabrics, weaves repeat unit, draft and lifting plan, sectional view construction | Study of the methods of calculating and finding the repeat of unit |
| 2 nd | Significance of fabric structure in fabric manufacture | |
| 3 rd | Plain weave - Their characteristics ornamentation, derivatives of plain weave. | Methods of calculating various fabric parameters like shrinkage percentage, cloth/100mts, cloth/Mtrs |
| 4 th | Twill weaves: R.H & L.H twill, effect of direction of twists on prominence of twill lines. | |
| 5 th | Types of twills like pointed, zig-zag, herring bone, curved, broken, transposed, steep and low twills. | |
| 6 th | 1st Sessional test | |
| 7 th | Sateen - Characteristics, derivatives and end uses of these weaves. | EPI of various fabric samples |
| 8 th | Satin - Characteristics, derivatives and end uses of these weaves. | |
| 9 th | Diamonds and Diapers. | PPI of various fabric samples |
| 10 th | Honeycomb weave | |
| 11 th | 2nd Sessional test | |
| 12 th | Huck-a-back and mock leno | yarn requirements of various fabric samples |
| 13 th | Cork screw, Bed ford cords, welt & pique with derivatives. | |
| 14 th | Spool figuring on plain, twill and sateen bases | |
| 15 th | 3rd Sessional test | |
| 16 th | Feature of cambric, gabardine, chiffon, denim, jeans, voise, blanket and sponge cloth | Reeds space required during analysis of various fabrics mentioned in theory |