

TAX5648 Fabric Structure and Analysis

Level	5
Course Code	TAX5648
Course Title	Fabric Structure and Analysis
Credit value	6
Core/Optional	Core(Textile and Clothing, Textile Manufacture)
Course Aim/s	To provide the knowledge to design and produce woven and knitted structures according to the customer requirements.
Course Learning Outcomes (CLO):	<p>At the completion of this course student will be able to:</p> <p>CLO1: Transfer a weave design from the fabric to the paper (point-paper).</p> <p>CLO2: Draw the basic weave designs and their drawing-in plan, lifting plan and denting order.</p> <p>CLO3: Draw standard fancy weave designs and their drawing-in plan, lifting plan and denting order.</p> <p>CLO4: Develop your own woven designs and their drawing-in plan, lifting plan and denting order.</p> <p>CLO5: Draw standard complex weave designs and their drawing-in plan, lifting plan and denting order.</p> <p>CLO6: Engineer your own woven designs and their drawing-in plan, lifting plan and denting order.</p> <p>CLO7: Draw the basic knit designs and their notations.</p> <p>CLO8: Draw standard fancy knit designs and their notations.</p> <p>CLO9: Calculate the amount of yarns required to weave and knit various types of Fabrics.</p> <p>CLO10: Engineer woven and knitted fabrics as per the requirements of customers.</p>
Content	<p>Outline Syllabus:</p> <p>Unit 1: Woven Designs – An Introduction</p> <p>Unit 2: Basic Weaves</p> <p>Unit 3: Fancy Weaves</p> <p>Unit 4: Complex Weaves</p> <p>Unit 5: Knit Designs</p> <p>Unit 6: Fabric Production Calculations</p>