

TAX6366 Yarn Manufacture II

Level	6
Course Code	TAX6366
Course Title	Yarn Manufacture II
Credit value	3
Core/Optional	Elective (Textile and Clothing) Optional (Textile Manufacture)
Course Aim/s	To provide the knowledge related to manufacturing wool, worsted, silk, linen & jute yarns and texturing process, yarn folding, fancy yarns and sewing threads.
Course Learning Outcomes (CLO):	<p>At the completion of this course student will be able to:</p> <p>CLO1: Describe different manufacturing methods, working principles of machinery and organize machine layouts for wool, silk, flax and jute spinning.</p> <p>CLO2: Compare and contrast different tow conversion processes in spinning.</p> <p>CLO3: Select suitable materials and explain machinery and processes employed in manufacturing textured yarns, fancy yarns, filament tapes and films.</p> <p>CLO4: Describe various yarn folding techniques used in spinning.</p> <p>CLO5: Explain the special properties of sewing threads required for apparel industry.</p> <p>CLO6: Describe working principles of modern spinning and compare against conventional spinning.</p> <p>CLO7: Describe importance of humidification and lubrication of fibres and yarns processing.</p> <p>CLO8: Identify different yarn faults and suggest remedies to minimize them.</p>
Content	<p>Outline Syllabus:</p> <p>Unit 1: This unit describes different manufacturing methods, working principles of machinery involved in wool, silk, flax and jute spinning.</p> <p>Unit 2: This unit covers different tow to top conversion processes, machinery and processes employed in manufacturing textured yarns, fancy yarns, filament tapes and films. Moreover, various yarn folding techniques and types of sewing threads and their properties are also discussed.</p> <p>Unit 3: This unit describes modern methods of yarn production, the importance of humidification and lubrication of fibres and yarns in yarn spinning and different yarn faults and remedies for them.</p>