

TAX3459 Yarn Manufacture I

Level	3
Course Code	TAX3459
Course Title	Yarn Manufacture I
Credit value	4
Core/Optional	Core (Textile and Clothing)
Prerequisites	None
Course Aim/s	to provide the theoretical and practical knowledge in conventional cotton yarn manufacturing
Course Learning Outcomes (CLO):	<p>After completing the course, student should be able to:</p> <p>CLO1: apply the knowledge of different yarn count systems in the textile and apparel industry</p> <p>CLO2: explain the processes and various machines employed from harvesting cotton to the end product of the blow room</p> <p>CLO3: explain the objectives, functions and mechanisms of carding, drawing and combing processes in yarn manufacturing</p> <p>CLO4: explain the objectives, functions and mechanisms of flyer frame and ring frame machines used in yarn manufacturing</p> <p>CLO5: explain the common problems possible to raise during blow room, carding, draw frame, combing, flyer frame and ring frame machines and the important steps to obtain a good quality yarn</p> <p>CLO6: propose good routine maintenance for the machines in the yarn manufacturing plant machines</p> <p>CLO7: Describe the modern developments of ring frame machines</p>
Content (Main topics, sub topics)	<p>Outline Syllabus:</p> <p>Unit 1 : Blow Room processes and machinery</p> <p>Unit 2 : Carding, Drafting and Combing</p> <p>Unit 3: Roving and Ring spinning</p>