TAX3458 Fibre Science & Technology

Level	3
Course Code	TAX3458
Course Title	Fibre Science & Technology
Credit value	4
Core/Optional	Core (Textile and Clothing, Textile Manufacture)
Course Aim/s	To provide the scientific and technological knowledge about the fibres used in Textile field.
Course Learning Outcomes (CLO):	At the completion of this course student will be able to: CLO1: Classify the textile fibres based on their source of availability. CLO2: Describe the polymer system of natural fibres, properties and their end uses. CLO3: Describe the polymer system of man-made fibres, properties and their end use. CLO4: Explain the manufacturing processes of different synthetic fibres. CLO5: Select appropriate textile fibres for various end uses of fabrics. CLO6: Use the knowledge of various testing methods to identify the different types of textile fibres.
Content (Main topics, sub topics)	**Outline Syllabus:** Unit 1: Fibre fundamentals Unit 2: Natural fibres and their properties Unit 3: Man-made fibres and their properties Unit 4: Synthetics fibre production & fibre identification