TAX6367 Advanced Colouration

Level	6
Course Code	TAX6367
Course Title	Advanced Colouration
Credit value	3
Core/Optional	Optional
Prerequisites	None
Course Aim/s	To provide the knowledge about the chemical structures, classification, application methods and testing fastness properties familiarize with the dyeing processes and dye assistants used in textile colouration.
Course Learning Outcomes (CLO):	At the completion of course, student should be able to: **CLO 1**: describe chemical structures and dyeing mechanisms of various dye types used in textile coloration. **CLO 2**: select suitable dye types and dyeing techniques for Polyamide, Polyester, Acetate and other fibre. **CLO 3**: carryout the necessary testing to identify the dye types and assess the fastness properties. **CLO 4**: apply the knowledge of colour theory and measuring techniques to modify the structure of the dye material **CLO 5** describe the chemical and physical structure of fibres on dye affinity.
Content (Main topics, sub topics)	**Outline Syllabus:** Unit 01: Basic, acid and Direct Dyes Unit 02: Mordant, Azoic, Sulphur and Vat Dyes Unit 03: Reactive dyes, disperse dyes, Dyeing of Polyamides, Polyester and Cellulose Unit 04: Dyeing materials, their fastness properties and dye identification Unit 05: Dyeing Materials Fastness Properties and Colour Unit 06: The influence of fibre structure on dyeing