

## TAZ5550 Quantitative Techniques

<b>Level</b>	5
<b>Course Code</b>	TAZ5550
<b>Course Title</b>	Quantitative Techniques
<b>Credit value</b>	5
<b>Core/Optional</b>	Core (Apparel Production and Management, Fashion Design and Product Development, Textile Manufacture)
<b>Course Aim/s</b>	To provide about the quantitative techniques used to solve the problems faced in the industry.
<b>Course Learning Outcomes (CLO):</b>	At the completion of this course student will be able to:  CLO 1: Apply the knowledge of algebra and simple calculus in solving problems CLO 2: Plot graphs for given functions and retrieve important information to make effective decisions. CLO 3: Use the knowledge of linear programming to solve the problems. CLO 4: Formulate an effective logistic plan. CLO 5: Perform an effective inventory control in a factory, CLO 6: Apply the knowledge of network analysis to perform time analysis, cost scheduling and resource scheduling.
<b>Content (Main topics, sub topics)</b>	<b>Outline Syllabus:</b>  Unit 1: Mathematical Background Unit 2: Linear Programming Unit 3: Inventory Control Unit 4: Network analysis