

TAZ3536 Statistics for Industrial Studies

Level	3
Course Code	TAZ3536
Course Title	Statistics for Industrial Studies
Credit value	5
Core/Optional	Core (Apparel Production and Management, Textile Manufacture, Fashion Design and Product Development)
Course Aim/s	To provide knowledge about the statistical techniques used to solve the problems faced in the industry.
Course Learning Outcomes (CLO):	At the completion of this course student will be able to: CLO 1: Organize and summarize data. CLO 2: Describe the characteristic features of data. CLO 3: Recognize uncertainty in data and provide measures of chances of random occurrences. CLO 4: Make inference about populations based on sample. CLO 5: Apply statistical techniques in monitoring and controlling quality of output in production processes.
Content (Main topics, sub topics)	Outline Syllabus: Unit 1: Data and Data collection Unit 2: Organising and summarizing data Unit 3: Probability and Probability distributions Unit 4: Statistical Inference Unit 5: Statistical Quality Control