

TAX6556 Ergonomics

Level	6
Course Code	TAX6556
Course Title	Ergonomics
Credit value	5
Core/Optional	Core (Textile and Clothing)
Course Aim/s	The aim of this course is to provide necessary knowledge to design workplaces ergonomically
Course Learning Outcomes (CLO):	<p>After the completion of the course, student should be able to:</p> <p>CLO1: describe the historical development of the ergonomics and the importance of practicing ergonomic principles.</p> <p>CLO 2: Use the knowledge of human body in designing machines, equipment, tools and work.</p> <p>CLO 3: Practice the knowledge of human cognition at workplaces.</p> <p>CLO 4: Select appropriate work force and evaluate their performance at the workplace.</p> <p>CLO 5: Design comfortable working environments to the work force.</p> <p>CLO 6: Plan the work and the shift schedules efficiently in the industry.</p> <p>CLO 7: Use the knowledge of Human- Machine interaction in designing machines, equipment and tools.</p> <p>CLO 8: Design healthy and safe workplaces minimizing stress and fatigue.</p> <p>CLO 9: Arrange various workplaces as per relevant ergonomic guidelines.</p>
Content	<p>Outline Syllabus:</p> <p>Unit 1: Nature of Ergonomics</p> <p>Unit 2: Biological and Physiological Ergonomics</p> <p>Unit 3: Cognitive Ergonomics</p> <p>Unit 4: Environmental Ergonomics</p> <p>Unit 5: Organizational Ergonomics</p> <p>Unit 6: Workplace designing</p>