

## TAX7369 Engineering aspects of weaving

<b>Level</b>	7
<b>Course Code</b>	TAX7369
<b>Course Title</b>	Engineering aspects of weaving
<b>Credit value</b>	3
<b>Core/Optional</b>	Core (Textile and Clothing)
<b>Course Aim/s</b>	To provide the advanced theoretical knowledge of weaving and preparatory processes.
<b>Course Learning Outcomes (CLO):</b>	<p>At the completion of this course student will be able to:</p> <p>CLO1: Apply the theories of yarn winding to produce quality yarn packages effectively.</p> <p>CLO2: Prepare suitable warp beams economically.</p> <p>CLO3: Decide the optimal sizing parameters in warp preparation.</p> <p>CLO4: Compare weft insertion rates, efficiency, and productivity in conventional and modern looms.</p> <p>CLO5: Assess the feasibility of investment for a weaving mill.</p> <p>CLO6: Explain the theoretical aspects of shed geometry, warp &amp; weft tension, beat-up force, and yarn abrasion during weaving.</p>
<b>Content</b>	<p><b>Outline Syllabus:</b></p> <p>Unit 1: Theories of Weaving Preparation</p> <p>Unit 2: Weaving Calculations and Economics</p> <p>Unit 3: Theoretical Aspects of the Process of Weaving</p>