

## DMX6301 Industrial Engineering

<b>Level</b>	6
<b>Course Code</b>	DMX6301
<b>Course Title</b>	Industrial Engineering
<b>Credit value</b>	3
<b>Core/Optional</b>	Core
<b>Course Aim/s</b>	Aim of the course is to provide an opportunity to acquire knowledge and skills in problem solving and in Industrial Engineering.
<b>Course Learning Outcomes (CLO):</b>	<p>At the completion of this course student will be able to</p> <p>CLO1: Identify key aspects of manufacturing strategy and policy from corporate objectives of production organization</p> <p>CLO2: Use key concepts of lay out planning, production planning and control and plan the production processes.</p> <p>CLO3: Carry out production planning activities using MRP and ERP systems</p> <p>CLO4: Apply quantitative methods to support decision making in industrial engineering work environment.</p>
<b>Content</b>	<p><b>Outline Syllabus:</b></p> <p>Unit 01: Production planning and control  Unit 02: Work study and work measurement  Unit 03: MRP and ERP systems  Unit 04: Quantitative Methods</p> <p><b>Case Studies:</b></p> <ol style="list-style-type: none"> <li>1. Production planning and control</li> <li>2. MRP/ERP systems</li> </ol>