

**Specification of Competency Standards**  
**for the Fashion Industry**  
**Unit of Competency**

Functional Area - Production Planning and Control

Title	Formulate a material requirements plan
Code	110285L5
Range	Formulate a material requirements plan to guide the material procurement and delivery based on the master production schedule. This applies to individuals who are required to plan for the material requirements to ensure the necessary materials are available in the right quantity and at the right time stipulated in the master production schedule.
Level	5
Credit	3
Competency	<p>Performance Requirements</p> <p>1. Knowledge in the subject area</p> <p style="padding-left: 40px;">Be able to</p> <ul style="list-style-type: none"> <li>• appraise the role and functions of material requirements plan (MRP) in fashion manufacturing</li> <li>• specify the data required for material requirements planning (e.g. order information, bill of material (BOM), inventory)</li> <li>• examine the organisational policy in material procurement and inventory management</li> <li>• apply a range of specialised techniques and approaches to calculate the requirements for the materials used in the fashion manufacturing</li> </ul> <p>2. Application and process</p> <p style="padding-left: 40px;">Be able to</p> <ul style="list-style-type: none"> <li>• examine the order information and MPS for the timeline and the materials required in the production</li> <li>• analyse the material requirements to determine the required inventory levels, material order quantities and deliveries</li> <li>• devise a MRP to schedule the material procurement and delivery (e.g. material schedule)</li> <li>• identify material requirements issues and devise contingency measures for coping with unexpected situations</li> <li>• communicate and disseminate the MRP to related parties for feedback and make adjustments when necessary</li> <li>• set criteria for evaluating the effectiveness of MRP</li> </ul> <p>3. Exhibit professionalism</p> <p style="padding-left: 40px;">Be able to</p> <ul style="list-style-type: none"> <li>• work collaboratively with related parties in performing material requirements planning (e.g. purchasing department)</li> <li>• ensure MRP facilitate the continuous production</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to accomplish:</p> <ul style="list-style-type: none"> <li>• Formulation of a material requirements plan to ensure the necessary materials are available for smooth production in the right quantity and at the right time stipulated in the master production schedule.</li> </ul>
Remark	