

Specification of Competency Standards
for the Fashion Industry
Unit of Competency

Functional Area - Material Development

Title	Develop material prototypes
Code	110279L3
Range	Develop material prototype based on the new material specification. This applies to individuals who are required to make new material prototypes in collaboration with related parties for a range of different purposes.
Level	3
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"> • explain the purposes of making prototypes (e.g. design evaluation, optimizing manufacturing, promoting sales) • interpret the specification and requirements for new materials • outline the process of making new materials prototype • identify the resources required for making new material prototypes • identify the roles and responsibility of key parties involved in the new material prototyping (e.g. technicians, suppliers) • select the appropriate partners in developing new material prototypes <p>2. Application and process</p> <p style="padding-left: 40px;">Be able to</p> <ul style="list-style-type: none"> • identify the purpose of the prototype • interpret the specifications and requirements for new material prototyping • identify the resources required for the prototype making (e.g. raw materials, technology, expertise) • select and collaborate with related parties, both internal and external, in developing details of prototype making (e.g. method, sequence, facilities) • coordinate with related parties the prototype making activities • work with related parties (e.g. supplier, laboratory) to review the feedback or performance of the prototype and identify areas which need to be adjusted <p>3. Exhibit professionalism</p> <p style="padding-left: 40px;">Be able to</p> <ul style="list-style-type: none"> • work collaboratively with all parties involved in the new material prototyping • demonstrate creativity in proposing solutions to problems arise in the prototyping process • build up a network of suppliers and vendors who could support the new material development
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to accomplish:</p> <ul style="list-style-type: none"> • Development of new material prototypes based on the new material specifications and requirements.
Remark	