

Specification of Competency Standards
for the Fashion
Unit of Competency.

Functional Area - Quality System & Sustainability

Title	Design sustainable products or processes
Code	111622L5
Range	Design sustainable products or processes for a business. This applies to individuals who are required to support the design of a new product or process to achieve sustainable results.
Level	5
Credit	4 (<i>For Reference Only</i>)
Competency	Performance Requirements 1. Knowledge in the subject area Be able to: • understand the overall organisational goals and direction with regard to sustainability • examine the importance and trend of sustainability in the industry • critically evaluate the latest principles of sustainable design (e.g. cradle-to-cradle) • examine the common approaches and challenges for designing and developing sustainable fashion products • understand the techniques for reducing the environmental and social impacts of products or production processes through skilful, sensitive and innovative design 2. Application and process Be able to • consult relevant parties to identify product or process requirements • develop alternative product or process designs • test and determine possible sustainability impacts of different combinations of materials or process parameters • analyse the life cycle impacts of the product and the various sustainability impacts along the value chain • evaluate and select more sustainable design choices • confirm the design with designated personnel 3. Exhibit professionalism Be able to • embrace sustainable design from inspiration to innovation • explore ways to improve and optimise sustainability impacts on the environment and communities as well as costs of compliance
Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to accomplish: • Design of new and sustainable products or processes for a business to achieve sustainable results, which take into consideration the latest sustainable design principles.
Remark	This is an updated version of Competency Unit 108256L5