

## DESIGN AND DECORATE FABRICS

**UNIT CODE:** FAS/OS/FD/CR/03/5/A

### UNIT DESCRIPTION

This unit covers the competencies required to design and decorate fabrics. It involves planning for design and decoration of fabrics, sketching, illustrating and designing the fabric design. It also entails applying the design on the fabric, finishing the fabric and developing a fabric portfolio.

This standard applies in Fashion industry.

### ELEMENTS AND PERFORMANCE CRITERIA

<b>ELEMENT</b> These describe the <b>key outcomes</b> which make up <b>workplace function</b>	<b>PERFORMANCE CRITERIA</b> These are <b>assessable</b> statements which specify the required level of performance for each of the elements. <i><b>Bold and italicized terms are elaborated in the Range (Passive voice)</b></i>
1. Plan for design and decoration of fabrics	1.1 Production standards are identified and adhered to based on organization objectives. 1.2 <i><b>Production tools and equipment</b></i> are identified based on fabric and method of decoration. 1.3 Tools and equipment are checked for serviceability and sufficiency as based on workplace policy and production requirements. 1.4 <i><b>Production materials and supplies</b></i> are identified and obtained based on production and market targets and clients' specifications. 1.5 <i><b>Production tasks</b></i> are identified based on workplace instructions. 1.6 Production targets are set based on customers' requirements/orders. 1.7 Occupational safety and health are observed as per <i><b>legal requirements</b></i> . 1.8 Production standard operating procedures are observed as per workplace policy.

<p>2. Design, sketch and illustrate selected fabric décor design</p>	<p>2.1 <b>PPEs</b> are identified and used as per legal requirements.</p> <p>2.2 <b>Designing, sketching and illustration tools and equipment</b> are identified and gathered based on standard operating procedures.</p> <p>2.3 <b>Designing, sketching and illustration products and supplies</b> are identified and obtained based on job requirements.</p> <p>2.4 Client consultation is done as per workplace policy.</p> <p>2.5 Clients specifications are recorded as per workplace policy.</p> <p>2.6 Design is sketched based on clients' specifications/market preference.</p> <p>2.7 Design is illustrated based on the sketch.</p>
<p>3. Decorate the selected fabric</p>	<p>3.1 <b>Fabric decoration tools and equipment</b> are identified and gathered based on selected method as per standard operating procedures.</p> <p>3.2 <b>Fabric decoration products and supplies</b> are identified and obtained based on job requirements.</p> <p>3.3 <b>Fabric décor templates</b> are developed based on illustrated design.</p> <p>3.4 <b>Fabric décor templates</b> are cut based on selected method as per standard operating procedures.</p> <p>3.5 Fabric is prepared for decoration based on selected method as per standard operating procedures.</p> <p>3.6 Fabric is decorated based on illustration as per standard operating procedures.</p>
<p>4. Finish the fabric</p>	<p>4.1 <b>Finishing tools and equipment</b> are identified and gathered based on method as per standard operating procedures.</p> <p>4.2 <b>Finishing products and supplies</b> are identified and obtained based on method of finishing as per standard operating procedures.</p>
<p>5. Package and display the decorated fabric</p>	<p>5.1 <b>Tools and equipment for fabric packaging and displaying</b> are identified and gathered based on workplace policy.</p> <p>5.2 <b>Products and supplies for packaging and display</b> are identified and obtained based on workplace policy.</p> <p>5.3 Decorated fabric is packaged as per workplace policy.</p> <p>5.4 <b>Fabric display area</b> is identified and prepared as per workplace policy.</p>

	5.5 Decorated fabric is displayed as per workplace policy.
6. Develop a fabric décor portfolio	6.1 <b>Tools and equipment</b> for portfolio development are identified and gathered as per workplace policy. 6.2 <b>Products and supplies</b> for portfolio development are identified, selected and obtained based on workplace policy. 6.3 Fabric design portfolio is developed as per standard operating procedure.

## RANGE

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environments and situations that will affect performance.

Variables	Range
1. Fabric decoration tools and equipment may include but not limited to:	<ul style="list-style-type: none"> <li>• Assorted basins/buckets</li> <li>• Assorted embroidery machines</li> <li>• Assorted heaters/stoves</li> <li>• Assorted measuring tools</li> <li>• Assorted spoons</li> <li>• Assorted sprayers</li> <li>• Assorted sufurias</li> <li>• Basin</li> <li>• Camera</li> <li>• USB drive</li> <li>• Compact discs</li> <li>• Computer</li> <li>• Cutting table</li> <li>• Display boards</li> <li>• Embroidery hoop</li> <li>• Iron</li> <li>• Meter ruler</li> <li>• Mirror</li> <li>• Scissors</li> <li>• Sharpeners</li> <li>• Shelves</li> <li>• Tape measure</li> <li>• Thread trimmer</li> <li>• Tracing wheel</li> <li>• Working surfaces</li> <li>• Ironing board</li> <li>• Mannequin</li> <li>• Measuring jars</li> </ul>

<p>2. Fabric decoration products, materials and supplies may include but not limited to:</p>	<ul style="list-style-type: none"> <li>• Assorted binders</li> <li>• Assorted bleaches</li> <li>• Assorted brushes</li> <li>• Assorted dyes</li> <li>• Assorted fabrics</li> <li>• Assorted needles</li> <li>• Assorted paper</li> <li>• Assorted pegs/clips</li> <li>• Assorted PPE items</li> <li>• Assorted sprays</li> <li>• Assorted threads</li> <li>• Assorted tracing paper</li> <li>• Bulbs</li> <li>• Card boards</li> <li>• Caustic soda</li> <li>• Colored pencils</li> <li>• Crayons</li> <li>• Dressmakers' pins</li> <li>• Embossed papers</li> <li>• Erasers</li> <li>• Fibre pens</li> <li>• Foam/sponges</li> <li>• Gas/charcoal/electricity</li> <li>• Gloss paper</li> </ul>	<ul style="list-style-type: none"> <li>• Nails</li> <li>• Pencils <ul style="list-style-type: none"> <li>○ H</li> <li>○ HB</li> <li>○ 2B</li> <li>○ 2H</li> <li>○ 4B</li> <li>○ 4H</li> </ul> </li> <li>• Polythene paper</li> <li>• Salt</li> <li>• Sand</li> <li>• Sketching pads</li> <li>• Sodium hydro sulphate</li> <li>• Staples</li> <li>• Starch</li> <li>• Twine thread/rubber bands</li> <li>• Water</li> <li>• Water colors</li> </ul>
<p>3. Fabric decoration tasks may include but not limited to:</p>	<ul style="list-style-type: none"> <li>• Tie and dye</li> <li>• Bleach work</li> <li>• Embroidery</li> <li>• beadwork</li> </ul>	
<p>4. Legal requirements may include but not limited to:</p>	<ul style="list-style-type: none"> <li>• Occupational safety and health Act</li> <li>• EMCA 2015</li> <li>• NEMA regulations</li> <li>• County by-laws</li> </ul>	<ul style="list-style-type: none"> <li>• KRA act</li> <li>• Labour laws</li> <li>• Employment act</li> <li>• WIBA</li> </ul>

5. <i>PPEs</i> may include but not limited to:	<ul style="list-style-type: none"> <li>• Apron</li> <li>• Dust coat</li> <li>• Face mask</li> </ul>	<ul style="list-style-type: none"> <li>• Safety shoes</li> <li>• Gloves</li> </ul>
6. Decorated fabric finishing methods may include but not limited to:	<ul style="list-style-type: none"> <li>• Ironing</li> <li>• Colour fasting</li> <li>• Starching</li> <li>• Trimming</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>
7. Decorated fabric display areas may include but not limited to:	<ul style="list-style-type: none"> <li>• Window</li> <li>• Shelves</li> <li>• Display boards</li> </ul>	<ul style="list-style-type: none"> <li>• Virtual display</li> <li>• Wall</li> <li>• Table</li> </ul>

## REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit of competency.

### Generic skills:

- Communication
- People skills
- Time management
- Record keeping
- Telephones handling
- Conflict resolution
- Negotiation
- Analytical
- Problem solving
- Critical thinking
- Summarizing
- Listening
- Observation
- Organizing
- Technology

### Technical skills:

- Designing

- Sketching
- Illustrating
- Drafting
- Laying
- Cutting
- Constructing
- Finishing
- Accessorising
- Displaying
- photography

### Required Knowledge

The individual needs to demonstrate knowledge of:

- History of fashion design
- Principles of fabric design
- Fibres and fabrics
- Finishing of fabrics
- Fashion marketing
- Creativity and innovation in fabric design
- Fabric design tools and equipment
- Fabric design products and supplies
- Ethical issues in fabric design
- Occupational safety and health
- Waste management

### EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

<p>1. Critical aspects of competency</p>	<p><b>Assessment requires evidence that the candidate:</b></p> <p>1 .1Identified and obtained production tools and equipment appropriately.</p> <p>1 .2Checked for serviceability and sufficiency of production tools and equipment.</p> <p>1 .3Identified, obtained and allocated production materials and supplies appropriately.</p> <p>1 .4Identified production tasks appropriately.</p> <p>1 .5Observed occupational safety and health requirements appropriately.</p>
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	<p>1 .6Observed production standard operating procedures appropriately.</p> <p>1 .7Identified PPEs and used them appropriately.</p> <p>1 .8Consulted client and recorded specification accurately.</p> <p>1 .9Designed, sketched and illustrated design accurately.</p> <p>1 .10 Identified fabric design appropriately.</p> <p>1 .11 Laid and cut fabric pieces accordingly.</p> <p>1 .12 Transferred fabric design accordingly.</p> <p>1 .13 Finished the fabric appropriately.</p> <p>1 .14 Packaged and displayed the fabric appropriately.</p> <p>1 .15 Developed fabric portfolio appropriately</p>
2. Resource implications	The following resources <b>must</b> be provided: A functional fashion design studio or workshop.
3. Methods of assessment	Competency may be assessed through: <ul style="list-style-type: none"> <li>• Written test</li> <li>• Observation</li> <li>• Oral questioning</li> <li>• Interviewing</li> <li>• Projects</li> <li>• Portfolio</li> <li>• Third party report</li> </ul>
4. Context of assessment	Assessment may be done: <ul style="list-style-type: none"> <li>• On-the-job</li> <li>• Off-the-job</li> <li>• During industrial attachment</li> </ul>
5. Guidance information for assessment	Holistic assessment with related units of competency in the sector is recommended.