

BQA NCQF Qualification Template

DNCQF.FDMD.GD03

Issue No.: 01

SECTION A: QUALIFICATION DETAILS														
QUALIFICATION DEVELOPER			Textile and Clothing Institute of Botswana											
TITLE		Certificate IV in Clothing Manufacture: Sewing and Garment Assembly										NCQF LEVEL		4
FIELD		Manufacturing, Engineering and Technology			SUB-FIELD		Clothing Manufacture					CREDIT VALUE		65
New Qualification					<input checked="" type="checkbox"/>		Review of Existing Qualification							
SUB-FRAMEWORK		General Education			<input type="checkbox"/>		TVET			<input checked="" type="checkbox"/>		Higher Education		
QUALIFICATION TYPE		Certificate		I	II	III	IV	<input checked="" type="checkbox"/>	V	Diploma	Bachelor			
		Bachelor Honours		Post Graduate Certificate					Post Graduate Diploma					
		Masters					Doctorate/ PhD							
RATIONALE AND PURPOSE OF THE QUALIFICATION														
<p>RATIONALE:</p> <p>In 2016, Botswana developed Vision 2036, which is a transformational agenda that defines the aspirations and goals of the Batswana people. Vision 2036 aims at transforming Botswana from an upper-middle-income country to a high-income country by 2036. Vision 2036 has 4 major pillars which speak to the 17 sustainable development goals (SDGs) of the United Nations. The Vision 2016 pillars (Sustainable Economic Development, Human and Social Development, Sustainable Environment and Governance, Peace and Security) are part of the new models of development needed for Botswana to survive in this dynamic world where sustainable development has emerged globally as a new paradigm.</p> <p>The Human Resources Development Council (HRDC) Top Occupations in Demand document of 2016 lists product and garment design with technical skills of design making, garment assembly, fabric layering, embroidery and screen painting, and with soft skills in numbers and attention to detail among occupations that have high demand in Botswana. Therefore, this qualification will assist by producing clothing manufacturers, designers and pattern makers.</p> <p>As a nation, Botswana is faced with a high unemployment rate of above 20% among the youths. This high unemployment is due to a mismatch between supply of skills from the education sector and the needs of the job market. The introduction of the Certificate in Sewing and Garment Construction is meant to address the high demand for artisans and technical assistants at national level. The qualification will churn out an internationally competitive workforce that is productive, creative, responsive and has international exposure.</p> <p>The clothing industry in Botswana is currently dominated by ready-to-wear clothing in retail outlets. This has</p>														

created growth opportunities in this industry, which has in turn led to an increased demand for local graduates with qualifications in clothing manufacture. The qualification serves to meet the growing local demand for training and development through the TVET, focusing on sewing and garment assembly. Consequently, there is employment creation for our young local graduates. The qualification has been designed to equip learners with basic knowledge and skills in the clothing manufacture industry.

Further, in the country's diversifying drive, manufacturing has been identified as a major driver of the economy. Competent pattern makers, cutters and clothing technologists are essential for this manufacturing drive to be a success.

PURPOSE:

The purpose of this qualification is to produce artisans in sewing and garment construction with knowledge, skills and competence to perform the following:

- Interact effectively with colleagues as a member of a team or organization.
- Demonstrate how fabrics are used in clothing manufacturing.
- Use appropriate techniques of reading, interpreting and using garment patterns
- Perform fabric laying and cutting.
- Sew using different stitches, seams and hems used in garment construction.
- Demonstrate sewing skills and produce a variety of garment pieces.
- Assemble garment pieces and create complete garments.
- Recommend appropriate garment accessories/embellishments.
- Perform final finishings and attach clothing labels on complete garments.

ENTRY REQUIREMENTS (including access and inclusion)

An applicant for this qualification must have the following:

- NCQF Level III (General Education or TVET) or equivalent
- Applicants who do not meet the above criteria but possess relevant industry experience may be considered through Recognition of Prior Learning (RPL) and Credit Accumulation and Transfer (CAT) policies for access. This consideration will be done following guidelines of the ETP which are aligned with BQA/National policies.

SECTION B		QUALIFICATION SPECIFICATION	
GRADUATE PROFILE (LEARNING OUTCOMES)		ASSESSMENT CRITERIA	
1. Interact effectively with colleagues as a member of a team or organization in team assignments		1.1 Demonstrate understanding of the importance of team work in garment production 1.2 Conduct research to generate a concept for a team assignment 1.3 Share team responsibilities amongst members, depending on their strengths 1.4 Present simple projects as individuals/ teams 1.5 Apply interpersonal skills to fit into different types of teams 1.6 Organise small fashion functions as a team	
2. Recommend appropriate stitches to use on different sections of garments		2.1 Sew using different stitches/seams/hems 2.2 Use a range of both hand and machine stitches 2.3 Create a swatch of different stitches/seams/hems swatch(both hand and machine stitches)	
3. Choose and recommend suitable fabrics for use in different garments		3.1 Demonstrate understanding of basic terms and principles relating to natural and man-made fibre 3.2 Communicate the different sources and types of fabrics 3.3 Classify the common fabrics used in garment construction, and comply with handling and care instructions 3.4 Gather fabric swatches and compile a fabric glossary	
4. Employ correct techniques of reading, interpreting and using simple garment patterns		4.1 Demonstrate understanding of the terminology used in garment patterns 4.2 Choose and recommend suitable pattern in line with given specifications 4.3 Use common standard pattern symbols 4.4 Read and interpret patterns and contents of paper patterns	
5. Perform appropriate and economical fabric laying and cutting techniques for given patterns		5.1 Demonstrate understanding of fabric laying and lay planning, and its importance in garment assembly 5.2 Practice different types of lay plans used in fabric spreading 5.3 Practice economical lay planning techniques, following a given lay plan 5.4 Position grain lines correctly while cutting 5.5 Practice pressing techniques before cutting	

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6. Perform final finishings and attach clothing labels on completed garments	<p>6.1 Practice the different processes/steps involved in garment finishing (pressing, folding, packing)</p> <p>6.2 Research on clothing labels for different countries such as UK, USA, China, Australia, etc</p> <p>6.3 Interpret different garment labels (Fibre content, Country of origin, manufacture/dealer identity, care instructions, label placement)</p> <p>6.4 Read and interpret basic care labels/symbols (Washing, drying and ironing)</p>
7. Choose and recommend appropriate garment accessories/embellishments for different garments	<p>7.1 Demonstrate understanding of garment accessories and embellishments</p> <p>7.2 Classify garment accessories and embellishments</p> <p>7.3 Select a choice of embellishments according to type of garment</p> <p>7.4 Create a swatch board of embellishments</p>
8. Apply sewing skills in constructing a variety of garment components using given specifications	<p>8.1 Demonstrate sewing proficiency</p> <p>8.2 Select and use stitches/hems/seams and accessories where appropriate</p> <p>8.3 Create different garment pieces such as pockets, sleeves and cuffs, plackets, collar and neckline, facings and waistline</p> <p>8.4 Produce samples of various garment pieces</p>
9. Assemble complete garments using ready-made garment pieces	<p>9.1 Adapt block pattern to produce desired garments</p> <p>9.2 Illustrate fabric laying and cutting skills</p> <p>9.3 Construct a variety of garments such as ladies' formal skirt, ladies' top/blouse, ladies dress, child's dress and men's shirt; according to specifications</p>
10. Practice the use of fabric printing and dyeing in clothing manufacturing	<p>10.1 Demonstrate an understanding of history of fabric printing and dyeing</p> <p>10.2 Communicate the influence of printing and dyeing in the fashion world</p> <p>10.3 Illustrate the use basic fabric printing and dyeing in clothing production</p>
11. Practice the use of embroidery and screen printing in clothing manufacturing	<p>11.1 Demonstrate an understanding embroidery stitches, screen painting and their uses in different garments</p> <p>11.2 Communicate the various techniques and designs of embroidery stitches</p> <p>11.3 Illustrate the use of colour schemes in embroidery and screen printing</p> <p>11.4 Choose and recommend fabric suitable for embroidery / screen printing in clothing manufacture</p>

SECTION C		QUALIFICATION STRUCTURE			
GENERIC COMPONENT <i>Subjects/ Courses/ Modules/Units</i>	TITLE	Credits Per Relevant NCQF Level			Total (Per Subject/ Course/ Module/ Units)
		Level [3]	Level [4]	Level [5]	
	Team work and Team Management		4		4
CORE COMPONENT <i>Subjects/Courses / Modules/Units</i>	Stitches, Seams and Hems		4		4
	Fabrics		4		4
	Garment Patterns		4		4
	Fabric Laying and Cutting Techniques		4		4
	Finishings, Labels and Symbols		4		4
	Garment Accessories		2		2
	Sewing Techniques		10		10
	Garment Construction		25		25
ELECTIVE/ OPTIONAL COMPONENT <i>Subjects/Courses / Modules/Units</i>	Fabric Printing & Dyeing		4		4
	Embroidery & Screen Painting		4		4

SUMMARY OF CREDIT DISTRIBUTION FOR EACH COMPONENT PER NCQF LEVEL	
TOTAL CREDITS PER NCQF LEVEL	
NCQF Level	Credit Value
4	65
TOTAL CREDITS	65

Rules of Combination:

(Please Indicate combinations for the different constituent components of the qualification)

Candidates are required to achieve a minimum of 65 credits for the qualification inclusive of 4 credits for generic units, 57 credits for core units and 4 credits for elective units. There are two electives, and learners are required to choose only one between the two.

ASSESSMENT ARRANGEMENTS

- a. Formative Assessment
Formative assessment or continuous assessment contributing towards the award of credits shall be based on course outcome. This consists of tests, assignments and projects. The contribution of formative assessment to the final grade shall be **70%**.
- b. Summative Assessment
Candidates shall undergo assessment including written and practical and simulated projects. The final examination contributes **30%** of the final mark of the course.

MODERATION ARRANGEMENTS

Assessments will be internally and externally moderated by registered and accredited moderators in line with approved assessment and moderation policies.

RECOGNITION OF PRIOR LEARNING (if applicable)

Candidates may submit evidence of prior learning and current competence and/or undergo appropriate forms of RPL assessment for the award of credits towards the qualification in accordance with applicable Institute RPL policies and relevant national-level policy and legislative framework. Implementation of RPL shall also be consistent with requirements, if any, prescribed for the field or sub-field of study by relevant national, regional or international professional bodies.

PROGRESSION PATHWAYS (LEARNING AND EMPLOYMENT)

Upon successful completion of this qualification, learners may either progress to another qualification or employment opportunity. In progressing to another qualification, learners may choose horizontal articulation or vertical articulation.

Learning

- a) Horizontal Articulation
 - Certificate IV in Clothing Manufacture (Design and Pattern Making)

- Certificate IV in Clothing Manufacture (Dressmaking)

b) Vertical Articulation

- Certificate V in Clothing Manufacture (Sewing and Garment Assembly)

Employment

After attaining this qualification, learners may work as:

- Tailor
- Seamstress
- Sample Pattern Markers
- Cutters
- Showroom/Workshop Assistant
- Run own Tailor Shop business

QUALIFICATION AWARD AND CERTIFICATION

Qualification Award

A learner is required to achieve the stipulated total of 65 credits inclusive of 4 generic credits, 57 core credits and 4 elective credits, to be issued with a certificate indicating the award, Certificate IV in Clothing Manufacture (Sewing and Garment Assembly).

Certification

A certificate will be issued to learners who successfully complete the qualification, indicating the award, Certificate IV in Clothing Manufacture (Sewing and Garment Assembly).

REGIONAL AND INTERNATIONAL COMPARABILITY

The qualification was compared to;

1. New Zealand:- NZQA Level 4 Certificate in Clothing Manufacture
2. South Africa:- SAQA Level 4 National Certificate in Clothing Manufacturing Technology

The qualifications noted above are generally comparable in terms of main exit outcomes, qualification structure, modules, and employment pathways. All the qualifications are designed for learners who desire knowledge and skills to produce a variety of garments.

The qualifications noted above are generally comparable in terms of main exit outcomes, modules and employment pathways. The major difference observed is in the duration and credit weighting. Though the qualification under audit has lower credit weighting, it compares very well in content scope with both qualifications from South Africa and New Zealand.

The difference observed is that the SAQA has a higher credit weighting than both the NZQA and our qualifications. In addition, the scope of content for the SAQA modules is pitched higher hence the higher credit weighting and duration.

REVIEW PERIOD

The qualification shall be reviewed every 5 years.