

BQA NCQF Qualification Template

DNCQF.FDMD.GD03

Issue No.: 02

SECTION A: QUALIFICATION DETAILS															
QUALIFICATION DEVELOPER			Limkokwing University of Creative Technology												
TITLE	Diploma in Textile Design										NCQF LEVEL		6		
FIELD	Manufacturing, Engineering and Technology			SUB-FIELD		Textile Design					CREDIT VALUE		376		
<i>New Qualification</i>					<input checked="" type="checkbox"/>		<i>Review of Existing Qualification</i>								
SUB-FRAMEWORK		<i>General Education</i>				<input type="checkbox"/>		<i>TVET</i>		<input checked="" type="checkbox"/>		<i>Higher Education</i>			
QUALIFICATION TYPE		<i>Certificate</i>	<i>I</i>	<input type="checkbox"/>	<i>II</i>	<input type="checkbox"/>	<i>III</i>	<input type="checkbox"/>	<i>IV</i>	<input type="checkbox"/>	<i>V</i>	<input type="checkbox"/>	<i>Diploma</i>	<input checked="" type="checkbox"/>	<i>Bachelor</i>
		<i>Bachelor Honours</i>		<input type="checkbox"/>	<i>Post Graduate Certificate</i>					<input type="checkbox"/>	<i>Post Graduate Diploma</i>				
		<i>Masters</i>					<input type="checkbox"/>	<i>Doctorate/ PhD</i>							
RATIONALE AND PURPOSE OF THE QUALIFICATION															
1.1.0 Rationale <p>Textile design is a creative and innovative art and a process of creating designs for woven, knitted or printed fabrics or surface decorated fabrics. Textiles are anything that is made up of yarns, fabrics, or fibers and to be useful, they must have flexibility, abrasion resistance, strength and moisture control properties. Textile design involves developing commercial awareness and equipping learners with a wide range of creative and practical skills geared to the textile industry practice. Learners are introduced to textile design, layout structures, pattern development and textile colour theory. They acquire colour mixing, matching and painting skills to create seasonal colour palettes, textile designs, design concepts and presentation boards.</p>															

Human Resource Development Council Report of December 2016

Textile technologists which is one of the purpose of a textile qualification have been identified by HRDC report as part of the Top 20 Occupants in Demand (HRDC report 2016,Pg.7), the same report on Pg.5 have mentioned “ Garment and Related Patternmakers and Cutters” as the Top 20 Occupants in Demand.

The design and pattern of a textile helps to enhance part or the overall image of a collection, which generally mirror the cultural and social influences of that time. Different prints have for a long time been used as forms of identity over nations. Textile design is a part of the creative industries sector, which encapsulates every aspect of design involving knit, weaves and printed fabrics, from raw material to finished item. Textile designers often work with fashion or interior designers to ensure that the fabric/textile that they are creating is perfect for its expected usage, which includes having the correct pattern and fabric properties.

Technical and Soft skills for the top occupations in demand for Botswana...Forecasts for Botswana's Top Occupations in Demand

Source: www.hrdc.org.bw/sites/default/files/Priority_occupations_list-2019.pdf.

The HDRC report of 2019 also focuses an increased in demand for the technical and soft skills for the top occupants in demand, which included textile. Other key occupants within the textile specialization as identified by the same report Pg.23 include, Computer Application in textile, Fibre Science Technology, Textile Chemical Technology, Textile Materials and performance Evaluation, Yarn and Non-Woven Technology, Coloration Technology, Knitting Textiles, material Technology Weaving and weave CAD.

This qualification provides learners with specialized and innovative procedures for solving complex and unpredictable problems in textile designing. It develops responsible designers with holistic knowledge and well balanced perspective of designing that will serve the country by innovation and research. The qualification is designed to mould learners to textile design through multiple pathways, not only to enhance their practical skills but also to acquire a more specific and multifaceted sensitivity towards anything that involve textile and fashion, such as new trends, influences of history on clothes and theoretical approaches to develop and create fashion collections.

The Textile and Clothing Sector in Botswana: Challenges and Opportunities (Pg.12)

A report by Motswapong, M and Grynberg, R on challenges and opportunities for Textile sector in Botswana noted that the development of the textile and clothing (TC) sector has been vital to the economic interests of Botswana over the last twenty years as the sector has provided an important source of semi-skilled employment, which alleviates poverty, especially for women and has generated export revenue. Botswana's TC exports also enjoy duty and quota free access to markets in Lesotho, Namibia, South Africa and Swaziland through the SACU Agreement and thus products produced within the union move freely within the common customs area. The textile and clothing sector is currently given prominence in the SACU and SADC Industrial Policies in view of its export and employment creation potential. All the above points put Botswana to the advantageous position on Botswana's textile and clothing quest for production regionally and globally.

The Ministry of Trade and Industry has rolled out a National Strategy that is geared at resuscitating the textile and clothing industry. The textile & clothing sector was identified as one of the Economic Diversification Drive (EDD) priority sectors that can contribute to economic diversification. However, it is the sub-sector "*Clothing or Apparel or Garment*" within the textile industry which has the potential to be upgraded into a viable and competitive manufacturing sector because this is the area within the Sector's value chain where Botswana has comparative and competitive advantage.

In order for Botswana to compete and make a valued contribution in such a dynamic industry, it is essential that they develop their creative expertise as well as acquire effective business acumen skills. Therefore, this textile design qualification has been designed to maximise the learner's creative and cognitive potential to enable effective and successful service delivery or expansion and development in the textile industry.

The Textile Design also plays a vital part in people's lives, every day everyone has to make at least one decision that is fashion related. Seasonally consumers spend a vast amount of money on Fashion and Textile goods.

PURPOSE:

The purpose of this qualification is to produce graduates who are able to:

- Apply advanced knowledge of textile design principles and techniques to produce crafts and ornaments.

- Demonstrate advanced knowledge of fabric science as well as mastery of innovation and forecasting of textile industry trends.
- Apply technical skills and processes to solve complex textile-entrepreneurial problems.
- Apply the latest technologies to indigenous knowledge and come up with creative and innovative computer-aided textile designs.

ENTRY REQUIREMENTS (including access and inclusion)

Access and inclusion measures have been created and considered in this qualification to allow fair and equal entry requirements for learners from a wide spectrum of learning.

▪ **Normal entry**

- Certificate IV, NCQF level 4 (General Education or TVET).

▪ **CAT and RPL**

- CAT and RPL will be applicable for entry and inclusion

SECTION B		QUALIFICATION SPECIFICATION	
GRADUATE PROFILE (LEARNING OUTCOMES)		ASSESSMENT CRITERIA	
1. Demonstrate advanced knowledge on textile research in order to develop textile design briefs in the textile Industry		1.1	Design research tools used in textile industry customer study
		1.2	Select appropriate research tool for various textile research in the organization
		1.3	Conduct textile research using different research methods
		1.4	Show ethical considerations when conducting textile research
		1.5	Compile a level research proposal for a textile business
		1.6	Provide actionable recommendations for opportunities that support textile business objectives.
2. Apply advanced textile design principles and techniques in textile preparation		2.1	Select fibres through burning test and microscopic inspection.
		2.2	Compile a fabric glossary by gathering fabric swatches.
			Classify fabric swatches according to the construction of weaves in textile business.
3. Demonstrate mastery of knowledge in forecasting of textile in industry		3.1	Apply principles of textile forecasting and trends in textile business.
		3.2	Employ current textile trends to forecast future textile trends.
			Utilise demographics to assess future textile trends.

<p>4. Demonstrate mastery in developing yarns, fabrics and textiles for textile markets</p>	<p>4.1 Create fabrics from yarns</p> <p>4.2 Develop manmade fibres</p> <p>4.3 Analyse natural fibres's quality</p> <p>4.4 Evaluate fabrics/products from suppliers</p> <p>4.5 Evaluate products requirements and specifications (e.g. colour fastness, durability etc)</p> <p>Test textile strength and performance under various conditions for client specification</p>
<p>5. Apply ancient and contemporary textiles design in to modern garments</p>	<p>5.1 Analyse historical and contemporary textile trends to produce concept-boards.</p> <p>5.2 Create concept boards from ancient and contemporary textile prints for clientele</p> <p>Infuse traditional textile prints in current fashion designs.</p>
<p>6. Apply advanced technical sewing skills in textile and fashion Industry</p>	<p>6.1 Trouble shoot sewing machine for basic problems</p> <p>6.2 Thread and unthread a sewing machine</p> <p>6.3 Thread and wind the bobbin for demonstration to clients</p> <p>6.4 Prepare cut parts for mending into a garment</p> <p>6.5 Assemble and sew garment parts</p> <p>Package the finished garment</p>
<p>7. Apply advanced entrepreneurial skills to solve complex textile business problems</p>	<p>7.1 Develop business plan for a textile business</p> <p>7.2 Interpret financials of a textile business</p> <p>7.3 Distinguish the types of entrepreneurship and the financial sources for starting a textile business</p>

	<p>7.4 Generate business ideas & innovation using professional thinking tools</p> <p>7.5 Provide quality textile services to individual</p> <p>Present and defend the textile design concept to clients in an organization</p>
8. Produce high level Textile illustrations for crafts and ornamentations for textile clientele	<p>8.1 Design textile illustrations for presentations to clients</p> <p>8.2 Create illustration in various textile elements accessories.</p> <p>8.3 Apply various types of computer aided techniques to create illustration</p> <p>8.4 Enhance textile messages with illustrations for clearer communication to clients</p> <p>8.5 Use contrast principles of drawing to create visual interest excitement of concepts for clients</p> <p>8.6 Create detailed textile drawings.</p> <p>8.7 Develop drawings for collections and make use of the colour palette.</p> <p>Use the effect of structural and decorative lines to illustrate functionality of textile items</p>
9. Demonstrate mastery and accountability when leading a team of textile designers	<p>9.1 Create good relationships with colleagues and customers in the organisation</p> <p>9.2 Lead a team of textile designers to execute a task in the industry</p> <p>9.3 Prepare comprehensive report and submit it as required by the work place</p> <p>9.4 Compile effective reports as may be required at work</p> <p>Perform duties given by the supervisor ethically and responsibly</p>

SECTION C	QUALIFICATION STRUCTURE				
FUNDAMENTAL COMPONENT <i>Subjects/ Courses/ Modules/Units</i>	TITLE	Credits Per Relevant NCQF Level			Total (Per <i>Subject/ Course/ Module/ Units)</i>
		Level [5]	Level [6]	Level [7]	
	Fundamentals of Design	10			10
	Textile conceptual drawing		10		10
	Creative and Innovation Studies	10			10
	Introduction to Computer Skills	10			10
	Communication and Study Skills	10			10
	History of Textiles		10		10
	Entrepreneurship for the Arts		12		12
CORE COMPONENT <i>Subjects/Courses / Modules/Units</i>	Introduction to Textile Industry		10		10
	Decorated Fabrics		10		10
	Textile Studies		36		36
	Knitted and Woven Design		12		12
	Textile Printing		36		36
	Fabric Science		20		20

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	Computerised Textile Design		10		10
	Textile Forecast			10	10
	Textile Illustration		24		24
	Sewing Techniques		20		20
	Accessories design		24		24
	Textile Production Marketing		12		12
	Interior Textile & Furnishing		10		10
	Colour and Pattern				10
	Industrial Attachment		40		40
ELECTIVE/ OPTIONAL COMPONENT <i>Subjects/Courses / Modules/Units</i>	Fashion Photography		20		20
	Computer graphics		20		20
	History of Art		20		20
	Pattern Drafting		20		20
	TOTAL				376

SUMMARY OF CREDIT DISTRIBUTION FOR EACH COMPONENT PER NCQF LEVEL

TOTAL CREDITS PER NCQF LEVEL

NCQF Level	Credit Value
5	40
6	326
7	10
TOTAL CREDITS	376

Rules of Combination:

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

The table below shows module distribution in relation to fundamental, core and elective components. Students are to choose 2 modules out of 4 electives. Where students are to choose electives in a semester, they will be provided with 2 options. The total number of credits required for a student to graduate in this qualification is 376 credits.

Module Classification	Module status	Total number of modules	Total number of Credits	Credit Percentages
Fundamental Component	Compulsory	7	72	19.1%
Core Component	Compulsory	23	284	75.6%
Elective Component	Students choose 2 out of 4 modules	2	20	5.3%
Totals		32	376	100%

- The qualification draws credits from three levels, Level 5 with 40 credits, Level 6 with 326 credits, level 7 with 10 credits.

ASSESSMENT ARRANGEMENTS

6.1 Assessment arrangements

The qualification will encompass both formative and summative assessment, which will be designed by assessors who are BQA registered and accredited.

Formative assessments for practical modules can include activities such as;

- Lab demonstrations
- Lab exercises

And Formative assessments for theoretical modules can include;

- Practice presentations
- Peer/self-assessment

While Summative assessment can include; Individual and group projects.

The weightings for the assessments will be as follows;

Assessment Method	Weight
Formative Assessments	60%
Summative Assessments	40%

MODERATION ARRANGEMENTS

6.2 Moderation arrangements

There will be internal and external moderation undertaken by moderators registered and accredited by BQA. All processes and procedures will be in line with NCQF requirements. This will be conducted in reference to the institution's moderation policy and procedures.

Moderation of assessment takes place at the key stages of the assessment process, i.e. design of tasks and marking of assignments (including consideration of results).

RECOGNITION OF PRIOR LEARNING (if applicable)

RPL: There will be provision for awarding of the qualification through RPL mode, which will be in line with the national RPL policy.

CAT: There will also be provision of awarding credits to the learner in a case where they do not complete the qualification or transfer to/from another institution.

PROGRESSION PATHWAYS (LEARNING AND EMPLOYMENT)

This qualification is designed to facilitate horizontal and vertical progression both locally and internationally.

7.1 Horizontal Progression

Students may progress horizontally between qualifications if they meet the minimum requirements for admission to the target qualification. Other comparable qualification at Diploma level include,

- Diploma in Fashion Design
- Diploma in Fashion Marketing
- Diploma in Fashion and Textile Design
- Diploma in Accessories Design

7.2 Vertical Progression

Students may progress and enroll to the following higher qualifications if they meet the minimum requirements;

- Bachelor of Arts in Textile Design
- Bachelor of Arts in Fashion Design
- Bachelor of Arts in Fashion Business
- Bachelor of Arts in Fashion Marketing and Management
- Bachelor of Arts in Fashion and Textile Design
- Bachelor of Arts in Accessories Design

7.3 Employment Pathways

Graduates from the qualification will typically enjoy careers such as:

- Textile Designers
- Weavers
- Dyeing & Printing Consultant
- Textile Printers and illustrators
- Quality assurance inspector for textiles
- Freelance textile artist
- Home furnishings textile designer
- Product developer for interior design

QUALIFICATION AWARD AND CERTIFICATION

- 9.1** To qualify for qualification award and certification of Diploma in Textile Design, a students must
- Attain a minimum of 376 credits overall, including a maximum of 20 credits of elective courses.
 - Complete satisfactorily any additional and specified requirements of the qualification.

REGIONAL AND INTERNATIONAL COMPARABILITY

A comparative analysis was taken in order to compare the relevance and standards implemented in the qualification.

Key parameters considered for bench marking are highlighted in table and carried out with 3 international institutions being:

- i. New Brunswick College of Craft and Design (**Canada**)- Diploma in Textile Design
- ii. Dayalbagh Educational Institute (Deemed University) (**India**)- Diploma in Textile Design
- iii. Nelson Mandela Metropolitan University (**South Africa**) - Diploma in Textile Design

Competitor Analysis

The highly practical focus of this qualification ensures that graduates have robust hands on experience of theory and practice. This in turn allows learners to succeed in the fast moving textile industry. Learners explore their potential in ever changing industry and experience how the industry works, they also have the opportunity to develop new and original textile prints.

REVIEW PERIOD

5 years in line with the NCQF