
	BQA NCQF QUALIFICATION TEMPLATE	Document No.	DNCQF.QIDD.GD02
		Issue No.	01
		Effective Date	04/02/2020

SECTION A: QUALIFICATION DETAILS														
QUALIFICATION DEVELOPER (S)		Ba Isago University												
TITLE	Master of Urban Planning and Design										NCQF LEVEL	9		
FIELD	Physical Planning & Construction			SUB-FIELD		Urban Planning and Design				CREDIT VALUE	250			
New Qualification						✓		Review of Existing Qualification						
SUB-FRAMEWORK		General Education					TVET					Higher Education		✓
QUALIFICATION TYPE	Certificate	I	II	III	IV	V	Diploma	Bachelor						
	Bachelor Honours			Post Graduate Certificate				Post Graduate Diploma						
	Masters					✓		Doctorate/ PhD						

RATIONALE AND PURPOSE OF THE QUALIFICATION

RATIONALE:

Many government policies like Vision 2036, National Development Plan (NDP) 11, Urban Development Plans (UDP) and District Development Plans (DDP) can be successfully implemented through the production of skilled personnel in the design and planning of urban and rural spaces as proposed in this qualification. Further, the Human Resource Development Council (HRDC, 2016) under section 16.2 has listed the discipline of Town Planning in its Top 10 Occupations in Demand. The Education and Training Strategic Sector Plan (ETTSP, 2015) dubbed 'The Education Strategy 2020' has its objective to provide quality, relevant and sustainable lifelong education, which is globally competitive, so as to transform Botswana from a resource based to a skill and knowledge-based society. Among its outcomes is "enhanced skill development for the economy". This qualification, therefore, aspires to produce individuals with enhanced skills and competencies to plan and design human settlements as these skills are currently in short supply in Botswana as alluded to earlier. Through its

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many modules like Design Theory; Design Studio; Planning for Resilience; Integrated Urbanism; and Planning for Climate Change, the country will be able to achieve sustainable development and better use of its natural and other resources.


PURPOSE:

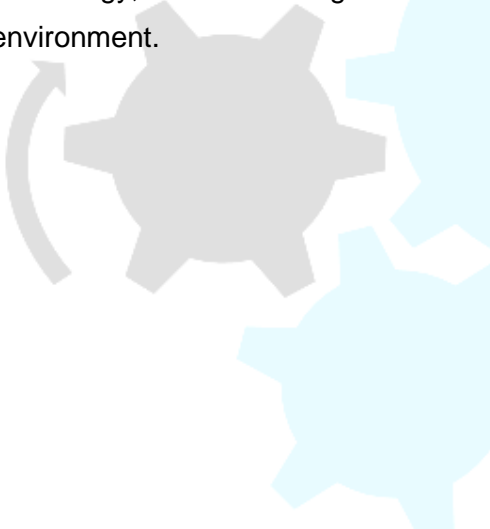
The purpose of Master of Urban Design and Planning is to produce graduates with advanced knowledge , skills and competences are able to:


- Conduct research on economic, social, regulatory factors affecting land use and physical design challenges associated with human settlements.
- Design modification plans to revitalize a range of developments including built spaces, road infrastructures, housing areas and cities to address current problems.
- Design sustainable urban development solutions in buildings, open spaces, and landscapes to meet community needs.


ENTRY REQUIREMENTS (including access and inclusion)


- i. Applicants should hold at least Bachelor's Degree (NCQF Level 7) in Urban Planning and Design or any related field from recognized institution.
- ii. Candidates who do not meet the minimum academic qualifications stated above will be considered through Recognition of Prior Learning (RPL) process which shall be administered according to the National RPL Policy. There will also be provision for Credit Accumulation and Transfer available to the learners where applicable as per ETP and National Policy on CAT.


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SECTION B QUALIFICATION SPECIFICATION	
GRADUATE PROFILE (LEARNING OUTCOMES)	ASSESSMENT CRITERIA
<p>1. Develop advanced planning policies at a regional, national or local level, taking into account the economy, green infrastructure, renewable energy, climate change and the historic environment.</p> 	<p>1.1 Appraise different factors affecting urban change and regional development.</p> <p>1.2 Plan for urban regeneration and development projects in line to the regulatory requirements, architectural and environmental principles in design.</p> <p>1.3 Integrate tools and methods to address the status of cities and regions, and the prerequisites for future change.</p> <p>1.4 Generate substantiated responses to spatial planning problems and systems.</p> <p>1.5 Contribute to policy formulation and reviews to address complex causes and systems that frame urban challenges.</p> <p>1.6 Design advanced planning policies to guide strategic development in towns and cities.</p> <p>1.7 Formulate advanced land use management strategies to address urban growth and environmental change issues.</p> <p>1.8 Monitor the effectiveness of planning policies in balancing the needs of a growing population with environmental impacts.</p>
<p>2. Conduct research on contemporary problems, opportunities and future needs to contribute meaningfully to the field of urban planning, design and the built environment.</p>	<p>2.1 Evaluate the complexities of urban development in a local and regional perspective</p> <p>2.2 Critique contemporary urban development issues and their impact to mankind and the environment.</p> <p>2.3 Appraise planning and design challenges in view of</p>

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	<p>sustainable urban development.</p> <p>2.4 Benchmark on best international practices and programs for land use.</p> <p>2.5 Develop creative and responsive solutions to unique and changing urban challenges.</p> <p>2.6 Propose vital and sustainable urban design concepts to address urban environmental issues.</p> <p>2.7 Implement solutions to complex and diverse urban problems through environmentally friendly development plans.</p> <p>2.8 Monitor urban developments in view of community interests, promotion of equitable and economic use of natural resources.</p> <p>2.9 Compile data on impact studies and land surveys to make recommendations for future development</p>
<p>3. Design advanced and sustainable urban planning solutions in consideration to environmental, aesthetical and future societal needs.</p>	<p>3.1 Apply advanced principles of urban design in development planning practice.</p> <p>3.2 Adapt modern techniques and tools to illustrate and visualise plans, concepts and strategies.</p> <p>3.3 Design space following urban design criteria and landscaping elements and design principles.</p> <p>3.4 Develop effective strategies for the implementation of urban planning and development initiatives.</p> <p>3.5 Adapt planning and design practices to the environmental conditions and societal needs of the future.</p> <p>3.6 Apply design method to create spatial frameworks and site layouts which integrate spatial, environmental, social, economic, cultural and institutional insights at a variety of scales.</p>

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<p>4. Adhere to a high code of professional conduct and ethics in planning and managing of development projects.</p> 	<p>4.1 Consult with communities, public officials and developers regarding development plans and land use.</p> <p>4.2 Collaborate with related professionals such as environmental engineers, architects, and real estate developers in managing projects.</p> <p>4.3 Prepare presentations of complex tasks in urban design, planning and environmental issues.</p> <p>4.4 Brief architects, landscape architects and civil engineers on the overall design framework for specific development projects and building developments.</p> <p>4.5 Convey own results and others' viewpoints in a coherent and qualitative way through drawings, sketches, essays and oral presentations.</p> <p>4.6 Lead multi-disciplinary groups of experts and contribute to the outcome of the working task.</p>
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SECTION C	QUALIFICATION STRUCTURE				
COMPONENT	TITLE	Credits Per Relevant NCQF Level			Total (Per Subject/ Course/ Module/ Units)
		Level [7]	Level [8]	Level [9]	
FUNDAMENTAL COMPONENT <i>Subjects/ Courses/ Modules/Units</i>	Research Methods in Urban Planning and Design			15	15
	Strategic Planning and Design			10	10
	Economics for the Built Environment			10	10
CORE COMPONENT <i>Subjects/Courses/ Modules/Units</i>	Urban Design Studio (I, II & III)			60	60
	Urban Form and Design: City Planning and Place Making			10	10
	Urban Design Theory			10	10
	Planning for Resilience			10	10
	Landscape and Environmental Design.			15	15
	Land Use and Infrastructure Planning			10	10
	Planning Law and Statutory Planning			10	10
	Urban Design Thesis			80	80
ELECTIVE/ OPTIONAL	(Choose 1)				
	Planning and ICT: GIS, CAD and Geo-data Manipulation			10	10

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COMPONENT <i>Subjects/Courses/ Modules/Units</i>	Planning and Urban Governance			10	10
	Integrated Urbanism			10	10

SUMMARY OF CREDIT DISTRIBUTION FOR EACH COMPONENT PER NCQF LEVEL	
TOTAL CREDITS PER NCQF LEVEL	
NCQF Level	Credit Value
Level 9	250
TOTAL CREDITS	250
Rules of Combination: (Please Indicate combinations for the different constituent components of the qualification)	
Fundamental Component =35 credits. Core component = 205 credits. Elective Component = 10 credits. Total = 250 credits.	

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ASSESSMENT ARRANGEMENTS

All assessments which are leading to the award of the qualification shall be based on learning outcomes and associated assessment criteria. Assessments will be conducted by Assessors who have been registered with Botswana Qualifications Authority (BQA) or any recognised and relevant body. The assessments will be as follows:

i. Formative assessment

The weight of formative assessment shall be 60 % of the final assessment mark.

ii. Summative assessment

The weight of summative assessment shall be 40 % of the final assessment mark.

MODERATION ARRANGEMENTS

Assessments will be internally and externally moderated by moderators who are registered and accredited by BQA or any recognised and relevant body in line with approved moderation policies.

RECOGNITION OF PRIOR LEARNING

Recognition of Prior Learning (RPL) will be applicable for consideration for award of Master of Urban Planning and Design in accordance with ETP and national policies on RPL.


CREDIT ACCUMULATION AND TRANSFER

Credit Accumulation and Transfer (CAT) will be applicable for consideration for award of Master of Urban Planning and Design in accordance with ETP and national policies on CAT.

PROGRESSION PATHWAYS (LEARNING AND EMPLOYMENT)

Learning Pathways

Horizontal Articulation

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- Master of Philosophy in Landscape Planning and Design (NQF Level 9)
- Master of Science in Real Estate Management (NQF Level 9)
- Master of Science in Interior Design and Housing (NQF Level 9).

Vertical Articulation

- Doctor of Philosophy in Urban Design and Planning (NQF Level 10)
- Doctor of Philosophy in Architecture (NQF Level 10)
- Doctor of Philosophy Landscape Planning and Design (NQF Level 10)
- Doctor of Philosophy Housing Design and Management (NQF Level 10)
- Doctor of Philosophy Built Environment (NQF Level 10)

Employment Opportunities

A graduate in Master in Urban Planning and Design may be employed as:

- City or District Architect
- Urban Designer
- Urban Planner
- Project Manager.
- Property Development Specialist


QUALIFICATION AWARD AND CERTIFICATION

To be eligible for the award of Master of Urban Planning and Design, learners must have successfully completed all modules and obtained a minimum of 250 credits. Certificates and transcripts will be issued to learners upon graduation.

REGIONAL AND INTERNATIONAL COMPARABILITY

A benchmarking exercise was conducted with the following qualifications:

- Master in Urban Planning and Design – Monash University, Australia
- Master in Sustainable Urban Planning and Design – KTH University- Stockholm, Sweden
- Master of City Planning and Design- University of Cape Town-South Africa

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A comparative analysis of the three qualifications shows some lines of similarities and differences.

The proposed qualification follows the same aims with other regional and international qualifications. There are similarities on the intended exit outcomes in the sense that all qualifications prepare learners to master the art of planning and design, taking into consideration the aesthetic, social, environmental, economic, and institutional factors that contribute to sustainable development. There are also notable similarities in common modules addressing planning policies and law, as well as design studios. Furthermore, all the qualifications run for 2 years on a full-time basis and have a common entry requirement, which is an undergraduate degree. In all the qualifications both summative and formative assessment methods are employed in measuring learner performance and assess whether the specified outcomes have been achieved.

The proposed qualification has a provision for a thesis which is a common among the Master in Sustainable Urban Planning and Design – KTH University and Master of City Planning and Design- University of Cape Town. However, Monash University follows a cumulative project-based learning which is attached to real-world settings and research projects that provide the framework/structure for the skills required by planning professionals.

Furthermore, there are differences in credits loading; the proposed qualification has a total of credits 250 while University of Cape Town master carries a minimum of 180 credits, and the other qualifications are at 120 credits each.

REVIEW PERIOD

This qualification will be reviewed every 5 years.