

<b>Name of Programme</b>	<b>MASTER OF SCIENCE DEGREE IN CONSTRUCTION PROJECT MANAGEMENT</b>
Duration	18 months for full time and 36 months for part time
Minimum Credit Load	270
Maximum Credit Load	270
ZNQF Level	Level 9

<b>Entry Requirements</b>	Tick
Normal Entry: An honours degree in the following disciplines: Quantity Surveying, Architecture, Building Economics and Civil Engineering. Other programmes offered in the Built Environment shall be considered on individual merits. A minimum overall pass of lower second class (2.2). Have at least one year post qualification experience.	√
Special Entry	
Mature Entry	

<b>LEARNING OUTCOMES</b>
1. Identify project goals, constraints, control needs deliverables, performance criteria, and resource requirements in consultation with stakeholders.
2. Implement project management knowledge, processes, lifecycle and the embodied concepts, tools and techniques in order to achieve project success

<b>Programme Assessment (Describe and indicate percentage [%])</b>		
Coursework	60%, 100%	
By thesis		
Written Examinations	40%	
Other		
<b>Basis of Allocating Credits</b>		
<b>Activity</b>	<b>Time in Hours</b>	<b>Credits</b>
<b>Contact Time/Time on task</b>		
Lectures	366	36.6
Tutorials	24	2.4
Field Visits	107	10.7
Laboratory Work		
Workshops		
Work Integrated Learning (WIL)/Industrial Attachment/Clinical Practice/Teaching Practice etc.		
<b>Scheduled Assessment Time</b>		
Final written examinations	27	2.7
In-class tests		
Online Testing and Examinations		
Seminar Presentations		
<b>Independent Study Time</b>		
Preparation for scheduled sessions	128	12.8
Reading	705	70.5
Written assignments	965	96.5

Revision Work	74	7.4
<b>Maximum Credits for the 80% Courses /Modules Threshold</b>	<b>270</b>	

***NB: Please refer to the ZIMCATS Document for further guidance***

<b>Summary of Modules arranged in logical sequence, and allocation of Notional Hours and Credits</b>	
<b>Module name</b>	<b>Total Notional Study Hour Credits</b>
<b>Part I (Total 90 Credits)</b>	
BCM 5101 Contracts Procurement and Administration	20
	30
BCM 5102 Construction Project Planning and Management	20
	20
BCM 5103 Project Cost and Financial Management	
BCM 5104 Policy and Project Environment for Construction	20
	20
<b>Part II (Total 100 Credits)</b>	20
BCM 5201 Research Methods	20
BCM 5206 Safety, Health and Construction Environments	
BCM 5208 Contracts Law	20
BCM 5212 Construction for Sustainability	20
ELECTIVES (Students to select 1 elective)	80
BCM 5213 Project management integrative Studies	
BCM 5214 Design Management	
<b>Part III (Total 80 Credits)</b>	
BCM 6100 Dissertation	

<b>MODULE</b>	<b>SYNOPSIS</b>
<b>BCM 5101</b>  <b>Contracts Procurement and Administration</b>	<p>This module aims to provide an understanding of the principles required for the efficient development, negotiation, management and administration of contracts in the project including provision for and treatment of sub-contractors. The objectives are to determine procurement requirements, establish agreed procurement processes, conduct procurement process activities, implement contracts and manage contract finalization procedures.</p>
<b>BCM 5102</b>  <b>Construction Project Planning and Management</b>	<p>This module shall cover project planning and control, project internal and External Environment, Project Planning and Development, Project Management and Systems Theory, Project Organisation and Administration, The Project Manager's Role, Project Quality Management Principles, Project Appraisal, Project Management and Management Techniques, Project Practice and Management. The module forms the basis of managing the construction process. The aim is to take students through the project execution process from the time the project starts right up to the time the project closes. Areas to be covered include project start up, project execution plan, material management, construction productivity, cost control, resource allocation, resource estimation, forecasting and availability, supply management and project close up, information technology and equipment technology. The need to possess strong skills in organizational planning, team building, acquire resources and to undertake projects within the stipulated time are the cornerstone of resources management. The module provides students with a variety of tools and techniques of dealing with human resources, time management, procurement techniques, construction economics, plant and equipment. These are critical inputs in Project Management since they are the key determinants to project completion.</p>
<b>BCM 5103</b>	<p>The module provides students with competency in cost and financial management principles, theory and practice as applicable to the construction industry, cost budgeting,</p>

<b>Project Cost and Financial Management</b>	cost planning, cost monitoring and control, project appraisal, capital investment appraisal techniques and their suitability to different client requirements.
<b>BCM 5104 Policy and Project Environment for Construction</b>	The aim of the module is to provide a working knowledge on and critic of local, regional and international policies that support the construction industry.
<b>BCM 5201 Research Methods</b>	The module consists of comprehensive essays of Project Management topic of the student's choice. Areas to be covered shall include; foundation of empirical Research, the scientific Approach, Conceptual Foundation of Research, Ethics in research, design, and structuring research, sampling and sample designs, data collection, observation methods and questionnaire construction. The module provides theoretical basis on areas such as secondary Data Analysis, Data Processing and Analysis, Data Preparation and Analysis, the Universal Distribution, Bivariate Analysis; Control, Elaboration and Multivariate Analysis, Index Construction and Scaling Methods; Inferences.
<b>BCM 5206 Safety, Health and Construction Environment</b>	The module covers areas such as understanding the work and health standards in construction environments; construction safety, based on constructions codes and safety standards and personal protection, equipment and accident investigation.
<b>BCM 5208 Contracts Law</b>	The module covers introduction to the legal system, law of contract; law of restitution, contract formation, and contractual terms, misrepresentation, duties and undue influence, illegal contracts, discharge and contractual obligation, contracts and negotiations, conflict management, law of purchase and sale, credit agreement law and arbitration.
<b>BCM 5212 Construction for Sustainability</b>	The module covers sustainable development dimensions and their integration into the construction industry. It also outlines the sustainable construction principles, goals,

	processes and technology as well as sustainable construction practices in the construction industry.
<b>BCM 5213</b> <b>Project management integrative Studies</b>	Students are expected to simulate real life situations and apply project management techniques to a project throughout the project life cycle. They must be able to prepare marketing brochures, project briefs, and project proposals, carry out feasibility and project appraisal reports and produce professional services contracts.
<b>BCM 5214</b> <b>Design Management</b>	The module covers the function of design management in the project management process. Appreciation and the importance of Client needs in devising and applying techniques for the design of construction projects is undertaken.
<b>BCM 6100</b> <b>Dissertation</b>	Students are required to select a dissertation topic of their own choice with tutorial guidance, and to prepare a plan of work for reading, survey and documentation, research and analysis, and writing, editing and production stages of its execution. The dissertation shall on its own constitute the final Part of the programme.