Career Excel Academy
Higher Education

Construction Quantity Surveying

MODULES & THEMES

1. SBE 101: STRUCTURE OF THE BUILT ENVIRONMENT

1.1	General Overview
1.2	Employers, Contractors, & Subcontractors
1.3	Employers, Contractors, & Subcontractors
1.4	Organisations in the Built Environment
1.5	Descriptive glossary of Built Environment Technology

2. BCT 101: BASIC CONSTRUCTION TECHNOLOGY

2.1	Drafting Practice & Setting Out
2.2	Soil Mechanics & Foundations
2.3	Construction Technology
2.4	Cement & Concrete
2.5	Building Components & Finishes
2.6	Pest Control In Buildings
2.7	Maintenance Work

3. BCT 102: BASIC CONSTRUCTION TECHNOLOGY

3.1	Building Services
3.2	Passive Environmental Control In Buildings
3.3	Intelligent Buildings, Energy Efficiency & Green Technology
3.2	Regulatory Environment & Support

4. FMT 101: FACILITIES MANAGEMENT

4.1	Facilities Management Defined: A Body Of Knowledge
4.2	Structure Of The Built Environment
4.3	General Management, Entrepreneurship, & Business Plans
4.4	Drafting Practice & Setting Out
4.5	Space Creation & Management
4.6	Administration, Information, & Communication Technology
4.7	Building Information
4.8	Asset & Property Management
4.9	Property Financial & Tenant Management
4.10	Client, Service Level Agreements & (Post) Occupancy Management
4.11	Benchmarking & Performance Management
4.12	Outsourcing & In-House Provision Of Services
4.13	Condition Assessment, Budgeting, & Maintenance Management
4.14	Property Economics, Budgets, & Life Cycle Costing

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5. CQS 101: CONSTRUCTION QUANTITY SURVEYING

5.1	Historical Overview
5.2	Quantity Surveying Roles & Functions
5.3	Bills Of Quantities
5.4	Specification
5.5	Estimating & Cost Control
5.6	Tendering & Adjudicating Processes
5.7	Variations & Final Accounts
5.8	Checklists For The Main Sections Of Measuring
5.9	Mensuration
5.10	Standard System Of Measuring Building Work

6. PDT 101: PROPERTY DEVELOPMENT

6.1	An Introduction To Commercial Properties & Investments
6.2	Property Economics
6.3	Fundamentals Of Property Market Evaluations
6.4	The Property Development Process
6.5	Market Analysis: Practical Examples
6.6	Residential, Large Scale & Specialised Developments
6.7	Fundamentals Of The Property Management Functions

7. PDT 102: PROPERTY DEVELOPMENT

7.1	An Introduction To Commercial Property Finance & Risk Assessment
7.2	Financial Statement Analysis
7.3	Time Value of Money
7.4	Property Tax
7.5	The Property Investment Process
7.6	Feasibility Analysis
7.7	The Property Financing Process

8. CML 101: COMMERCIAL LAW

8.1	Introduction to Commercial Law, Classification of South African Law
8.2	Courts of Law, Sources of Law, & Legal Authority
8.3	Town Planning Zoning: Legal Aspects
8.4	Contract Law, Contracts of Sale & Lease of Property
8.5	Financial Intelligence, Credit Regulations, & Consumer Protection

9. PRL 101: PROPERTY LAW

9.1	Law Of Contracts & Arbitration
9.2	Laws Relating to Sectional Title & Share Block Companies
9.3	A Summary Of Procedures Related To Property & Relevant Clauses In Acts
9.4	Practical Utilisation Of Offer To Purchase
9.5	Lease Agreements for Residential, Commercial & Industrial Properties
9.6	Table Of Cases