Career Excel Academy
Higher Education

Construction Project Management

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

4. CQS 101: CONSTRUCTION QUANTITY SURVEYING

4.1	Historical Overview
4.2	Quantity Surveying Roles & Functions
4.3	Bills Of Quantities
4.4	Specification
4.5	Estimating & Cost Control
4.6	Tendering & Adjudicating Processes
4.7	Variations & Final Accounts
4.8	Checklists For The Main Sections Of Measuring
4.9	Mensuration
4.10	Standard System Of Measuring Building Work

5. CPM 101: CONSTRUCTION PROJECT MANAGEMENT

5.1	Structure Of The Built Environment
5.2	Managerial Structuring, Strategic Management, & Business Plans
5.3	Project Management
5.4	Administration Information & Communication Technology
5.5	Basic Project-Based Accounting
5.6	Estimation of Construction Costs
5.7	Tendering Procedures
5.8	Cash-Flow Projections
5.9	Procurement of Construction Materials
5.10	Utilisation of Subcontractors
5.11	Variation Orders, Interim Certificates & Final Accounts

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6. CPM 102: CONSTRUCTION PROJECT MANAGEMENT

6.1	Site Management, plant, & Equipment
6.2	Critical Path Analysis in Construction Projects
6.3	Marketing & Public Relations
6.4	Human Resources
6.5	Communications
6.6	Construction & Professional Insurance
6.7	Occupational Health & Safety
6.8	Total Quality Management
6.9	Private Public Partnerships
6.10	Regulatory Environmental Support
6.11	Risk Management

7. LSY 101: LAND SURVEYING

7.1	Land Surveying Instruments
7.2	Establishing Contours
7.3	Measuring & Calculating Falls
7.4	Horizontal & Vertical Setting Out On Construction Projects

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. CNL 101: CONSTRUCTION LAW

9.1	Introduction
9.2	Rules For Natural Justice
9.3	Introduction & Requirements For A Binding Contract: Elements of Legal Contracts
9.4	Results & Functioning of Contracts: Parties To A Contract
9.5	Liability To Perform
9.6	Termination Of Contracts
9.7	Cancellation Of A Contract
9.8	Remedies On Breach Of Contract
9.9	Compensation For Breach Of Contract
9.10	Delict
9.11	Building Contract: Overview
9.12	Agency
9.13	Contracts Of Suretyship
9.14	Price In Advanced Building Contracts
9.15	Cost Reimbursements In Building Contracts
9.16	Multi Procurement Contracts
9.17	Project & Construction Management Contracts
9.18	Construction & Interpretation Contracts
9.19	The Joint Building Contract Committee (JBCC) Series 2000 Set Of Documents: An Example Of Model Construction Contracts
9.20	Table Of Cases