

Module Title:	Management and Measurement
Language of Instruction:	English
Credits:	10
NFQ Level:	6
Module Delivered In	1 programme(s)
Teaching & Learning Strategies:	Lectures Practicals Project Work Private study
Module Aim:	(1) To develop a knowledge of how the industry operates (2) To teach skills in the areas of scheduling, materials control, plant and labour management, technical writing and effective use of meetings (3) Teach basic measurement skills

Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	To describe how the industry and building sites operates, and to understand the planning and organisation of work teams and time management
LO2	To prepare schedules, Gantt charts and plant costings and the process involved in management of labour plant and materials
LO3	To explain the importance of site safety along with its legal and economic background
LO4	To prepare properly structured and formatted simple technical reports
LO5	Participate effectively in meetings and demonstrate an understanding of the role of their participants
LO6	To measure simple building work and understand the role of tender and contract document

Pre-requisite learning
Module Recommendations <i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>
No recommendations listed
Incompatible Modules <i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>
No incompatible modules listed
Co-requisite Modules
No Co-requisite modules listed
Requirements <i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>
No requirements listed

Module Content & Assessment

Indicative Content
(1) The Construction Industry (4 hours lectures) (a) Role of the industry in the economy (b) Client / Design Team / Construction Team (c) Organisations associated with the construction industry
(2) Tendering Arrangements (10 hours lectures) (a) Open / Selective / Negotiated tendering (b) Speculative development (c) Other forms of contractor selection
(3) Site Layout and organisation (4 hours lectures) (3) Site Layout and organisation (4 hours lectures) (a) Contractor's site layout and organisation (b) Temporary services and temporary buildings
(4) Materials And Supplies (4 hours lectures) (a) Documentation and procedures (b) eCommerce and Internet materials management
(5) Human Resource Management (6 hours lectures) (a) Conditions of employment (b) Site organization charts (c) Elementary Human Resource Management
(6) Scheduling (8 hours lectures) (a) Use and preparation of basic programmes
(7) Site Safety (8 hours lectures) (a) Background / Responsibilities / Legislation (b) Risk assessment
(8) Plant Management (6 hours lectures) (a) Plant management (b) Plant costing
(9) Documentation & Meetings (10 hours lectures) (a) Technical writing (b) Specification writing (c) Small team management (d) Managing meetings (e) Time management
(10) Role of Tender (10 hours lectures) (a) Role of Tender and Contract Documents (b) Preliminaries, Preambles (c) Provisional and Prime Cost Sum (d) Purpose and Use of Standard Method of Measurement
(11) Measurement (10 hours lectures, 10 hours practicals) (a) Material Schedules (b) Centre Line (c) Measurement of simple building elements

Assessment Breakdown	%
Continuous Assessment	20.00%
Project	20.00%
End of Module Formal Examination	60.00%

Continuous Assessment				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Examination	No Description	1,2,3,4,5,6	10.00	Sem 1 End
Examination	n/a	1,2,3,4,5,6	10.00	Sem 2 End

Project				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	No Description	2	5.00	Sem 1 End
Project	n/a	6	5.00	Sem 2 End
Project	n/a	1,2,3,4,5	10.00	n/a

No Practical

End of Module Formal Examination				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	No Description	1,2,3,4,5,6	60.00	End-of-Semester

Module Workload

Workload: Full Time		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	30 Weeks per Stage	3.00
Estimated Learner Hours	30 Weeks per Stage	3.00
Total Hours		180.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_CMBSE_D	Bachelor of Science in Construction Management with Buildings Services	1	Mandatory