



.....

SUPERVISION OF CONSTRUCTION PROCESSES

.....

SHORT COURSES




SHORT COURSES

FIELD: PHYSICAL PLANNING AND CONSTRUCTION

	TITLE OF UNIT STANDARDS	US ID NO	CREDITS
	COMPLY WITH LEGAL REQUIREMENTS FOR A CONSTRUCTION CONTRACT PURPOSE: to identify legal requirements; register with legal entities and bodies; and comply with legal procedures	9982	8
	<i>SUB FIELD: Civil Engineering Construction</i>		
	CALCULATE CONSTRUCTION QUANTITIES AND DEVELOP A WORK PLAN PURPOSE: to interpret the project documentation with reference to quantities; calculate the required material quantities; estimate the required human and equipment resources; prepare a work plan	14414	8
	<i>SUB FIELD: Civil Engineering Construction</i>		
	DEMONSTRATE AN UNDERSTANDING AND IMPLEMENT ENVIRONMENTAL INITIATIVES ON A CONSTRUCTION PROJECT PURPOSE: to demonstrate an understanding of the value of environmental management; implement environmental management initiatives during pre-construction activities; implement environmental management initiatives during construction activities; implement environmental management initiatives during post-construction activities	114218	6
	<i>SUB FIELD: Civil Engineering Construction</i>		
	DESCRIBE AND INTERPRET THE COMPOSITION, ROLE-PLAYERS, PROCESSES AND ROLE OF THE CONSTRUCTION INDUSTRY PURPOSE: to describe the role of the construction industry and its impact on the South African Economy; identify role-players and describe their positions and duties; develop an understanding of the impact of legislation; identify and describe education, training and development initiatives; identify major construction activities; apply communication techniques	14415	4
	<i>SUB FIELD: Civil Engineering Construction</i>		
	IMPLEMENT A QUALITY MANAGEMENT SYSTEM, PROJECT QUALITY PLAN AND A QUALITY IMPROVEMENT PROCESS ON A CONSTRUCTION PROJECT PURPOSE: to implement a quality management system on a construction project; assist in establishing and implement a quality improvement process; establish and implement a project quality plan; implement a process control quality system and conform to quality acceptance control requirements	14416	10
	<i>SUB FIELD: Civil Engineering Construction</i>		
	LEAD AND SUPERVISE CONSTRUCTION TEAMS PURPOSE: to identify labour requirements; recruit, select and induct team members; receive and issue instructions; motivate teams and monitor performance; train, coach and develop team members; implement disciplinary and grievance procedures	14417	8
	<i>SUB FIELD: Building Construction</i>		
	MONITOR AND CONTROL COST AND PRODUCTION OF CONSTRUCTION WORK ACTIVITIES AND IMPLEMENT PRODUCTIVITY IMPROVEMENTS PURPOSE: to measure and record activity production and resource costs on a construction project; compile a production and cost activity report; control cost of construction activity; implement productivity improvement measures on a construction project	14418	12
	<i>SUB FIELD: Civil Engineering Construction</i>		
	PERFORM SITE ADMINISTRATION FUNCTIONS PURPOSE: to gather the required information to complete a community profile and to go out into the community and carry the processes to complete and analyse a community profile; maintain site records; implement personnel administration; Implement reporting systems; measure and calculate quantities; attend meetings	14425	10
	<i>SUB FIELD: Civil Engineering Construction</i>		

SHORT COURSES

FIELD: PHYSICAL PLANNING AND CONSTRUCTION

	TITLE OF UNIT STANDARDS	US ID NO	CREDITS
	READ, INTERPRET AND USE CONSTRUCTION DRAWINGS AND SPECIFICATIONS PURPOSE: to identify drawings and symbols used on a construction project; safeguard, store and issue construction drawings; apply information from drawings in construction activities; demonstrate the role of drawings and specifications	14426	10
<i>SUB FIELD: Civil Engineering Construction</i>			
	SUPERVISE HEALTH AND SAFETY ON A CONSTRUCTION PROJECT PURPOSE: to develop, implement and monitor a Health and Safety site plan, identify specific hazards related to the construction environment, supervise the implementation of steps to limit damage to persons and property, identify and apply procedures related to transmittable diseases	14429	6
<i>SUB FIELD: Building Construction</i>			
	SUPERVISE THE PROCUREMENT, USE AND STORAGE OF CONSTRUCTION MATERIALS PURPOSE: to procure construction materials; receive and check construction materials; store construction materials; issue and reconcile construction materials; supervise the use of materials	14430	10
<i>SUB FIELD: Civil Engineering Construction</i>			
	APPLY CONTRACT DOCUMENTATION PURPOSE: to understand and apply general conditions of contract; demonstrate an understanding of & apply Codes of Practice & Ethics relevant to contract management; interpret and apply standardized and project specifications; interpret and apply tender and construction drawings	15137	10
<i>SUB FIELD: Civil Engineering Construction</i>			
	ORGANIZE AND CONTROL THE UTILIZATION OF PLANT AND EQUIPMENT IN CIVIL ENGINEERING CONSTRUCTION PURPOSE: to identify and procure the number and type of plant required; plan and secure the supply of fuel; monitor and control plant fuel consumption; plan and secure the maintenance of plant and equipment; prepare and implement production control process; identify the relevant Occupational Health and Safety requirements	15170	12
<i>SUB FIELD: Civil Engineering Construction</i>			
	IDENTIFY DESCRIBE AND USE MATERIALS IN CIVIL ENGINEERING CONSTRUCTION PURPOSE: Identify, describe and use of natural building materials such as crushed aggregates, cement and lime, bituminous materials, and clay and gravel materials	13972	4
<i>SUB FIELD: Building Construction</i>			
	BATCH AND MIX CONCRETE PURPOSE: to select and maintain materials, tools and equipment for specified plastering work; prepare work areas for plastering; batch and mix plaster; apply plaster to various types of surfaces; install mouldings and repair damaged plaster; implement emergency safety procedures when required	261657	12
<i>SUB FIELD: Building Construction</i>			
	PAINTING PURPOSE: to prepare, prime and paint new surfaces in accordance with the requirements specified in working drawings for houses of a basic design ensuring that the applicable National Building standards, health and safety regulations and prescribed time frames are adhered to	14893	6
<i>SUB FIELD: Building Construction</i>			