CSP Part 2- Structures Theory

Duration: 30 Days
Entry Assumptions: CSP Part 1- Basic Leadership Competencies
Course Content: Evaluations may be arranged

Unit Standard 14414 NQF Level 4 CPS 1K1
Examine the basic concepts of planning & programming
1. Apply the principles of planning in the form of bar charts
2. Apply the basics of network analysis

Unit Standard 12916 NQF Level 1 CPS 1K2
Describe the fundamentals of concrete Part 1 & 2
1. Recognise the properties of concrete
2. Identify concrete materials
3. Describe the fundamentals of placing, compacting & curing
4. Conduct site sampling & testing
5. Follow the basic rules of mix design
6. Identify the considerations given to ready mix deliveries
7. Recognise common finishes, defects & repairs

Unit Standard 116578 NQF Level 3 CPS 1K3
Recognise the fundamentals of reinforcing
1. Recognise the interaction of steel & concrete
2. Analyse the placement of reinforcing in structures

Unit Standard 14226 NQF Level 3 CPS 1K4
Describe the principles of formwork
1. Define the requirements of formwork
2. Recognise the components & applications of steel panel systems
3. Assess the concepts of specifications & tolerances

Unit Standard 14226 NQF Level 3 CPS 1K5
Recognise the principles of scaffolding & support work
1. Assess the general requirements of scaffolds & Falsework
2. Consider common administrative duties
3. Practical assessment

Unit Standard 15170 NQF Level 4 CPS 1K6
Recognise the need for plant economics
1. Assess the requirements of control & planning
2. Differentiate between plant categories & selection
3. Identify the need for maintenance & safety control