

**1. Module details**

<b>Module name</b>	<b>Installation and Commissioning of Air Handling Plant</b>
<b>Module duration</b>	0.5 module (18-20hrs).
<b>Module code</b>	NR33
<b>Discipline code</b>	0703310 – Air Conditioning Systems

**2. Module purpose**

This module aims to provide instruction for persons employed in the installation of air handling plant.

**3. Prerequisites**

NR31 Operational Awareness of Air Handling plant

**4. Relationship to competency standards**

**5. Content**

1. Introduction
  - benefits
  - reasons for training
2. Safety
  - water supply and drainage requirements
  - electrical requirements
  - special site requirements
  - location and securing of equipment
3. Reading manufacturer's drawings and specifications
  - methods of assembly
  - fixing
  - running test
4. AS3666, AS1851, AS1470, AS1657, AS1715, AS1865, AS1470, AS1668 Part (1) ordinance 70
  - local authority requirements
  - relevant legislation
  - legal obligations
  - development/building approvals.

**6. Assessment strategy**

**Assessment methods** Practical exercises and short answer questions

**Conditions of assessment**

**7. Learning outcome details**

**Learning outcome 1** **Demonstrate the ability to install replacement filters, humidifiers, drain trays in accordance with manufacturers' instructions.**

1.1 Observe safety precautions.

<b>Assessment criteria</b>	1.2 Layout reference points for the installation of a tower.
<b>Learning outcome 2</b>	1.3 Make up water and electrical connections.
<b>Assessment criteria</b>	<b>Demonstrate the ability to commission equipment associated with air handling systems.</b>
<b>Assessment criteria</b>	2.1 Observe safety precautions.
<b>Assessment criteria</b>	2.2 Assemble a section according to instructions.
<b>Assessment criteria</b>	2.3 Fix selected components.
<b>Assessment criteria</b>	2.4 Run and test operation of a filter humidifier.
<b>Learning outcome 3</b>	<b>Demonstrate a knowledge of relevant codes and regulations.</b>
<b>Assessment criteria</b>	3.1 List typical code requirements.
<b>8. Delivery of the module</b>	
<b>Delivery strategy</b>	<p>Delivery strategies must be suitable for both theoretical and /or practical learning and module purpose.</p> <p>It recommended that learning and assessment be facilitated in a holistic manner, which may require a learning outcome sequence other than that indicated in the body of this module.</p> <p>Also, an integrated theory/practice approach should be used where students learn by practical exercises and through research and workshop reports.</p>
<b>Resource requirements</b>	
<b>Occupational health and safety requirements</b>	<p>A safe and healthy environment will be provided for students in regards to classroom and workshop safety.</p>