

**1. Module details****Module name****Domestic Electrical Heating Appliances****Module duration**

It is expected that students with the appropriate entry knowledge and skills will successfully complete this module in 36 - 40 hours.

**Module code**

NUE032

**Discipline code**

0703110

**2. Module purpose**

To provide the participants with the knowledge and skills of basic operation, installation requirements, safety and operational checks and control adjustment for domestic electrical heating appliances adjustment.

**3. Prerequisites**

NUE052 Applied Electricity 1.  
NE175 Workshop Practices.

**4. Relationship to competency standards**

This module provides part of the underpinning knowledge and skills in the 'Evidence Guide' of specific units of competency in the National Electrotechnology Training Package and provides similar support, where mapped, to equivalent units in the National Metals and Engineering Competency Standards. For details refer to the module to unit maps, available from NUEITAB.

**5. Content****Codes and regulations**

Electrical – insulating, earthing  
OH&S

**Types and construction**

space heaters  
stoves  
ovens

**Installation requirements and adjustments**

Manufacturer's instructions and data  
Test Instruments  
Customer advice  
Levelling and location  
Safety  
Cabinet adjustments

**Repairs and parts replacement**

Cleaning of cabinets and components  
Check door fit, install shelving and adjust fixtures

**6. Assessment strategy**

**Assessment methods**

Assessment should be progressive reflecting a holistic approach to ensure the module purpose is met. To assist in ensuring validity, reliability and fairness assessment instruments should include practical exercises, assignments and written tests consisting of a number of item types, such as multiple choice, short answer and problem solving.

**Conditions of assessment**

Learning and assessment will take place in an environment that is conducive to a learner’s development.

**7. Learning outcome details**

**Learning outcome 1**

**Become familiar with the relevant codes and regulations as applied to the domestic electric heating appliances.**

**Assessment criteria**

- 1.1 Explain, list and familiarise themselves with OH&S requirements in relation to the domestic electric heating appliance area.
- 1.2 Explain, list, access and be aware of the appropriate electrical standards that cover the domestic electric heating appliance area.
- 1.3 Explain, list, access and be aware of ventilation requirements in the domestic electric heating appliance area.

**Learning outcome 2**

**Describe and list the types, construction and basic operation of domestic heating appliances.**

**Assessment criteria**

- 2.1 Describe and list the types, construction and operation of domestic electric space heaters.
- 2.2 Describe and list the types, construction and operation of domestic electric stoves.
- 2.3 Describe and list the types, construction and operation of domestic electric ovens.

**Learning outcome 3**

**Describe and list installation requirements and make necessary adjustments as required to the domestic electric heating appliance.**

**Assessment criteria**

- 3.1 Ensure that all the manufactures instructions relating to the installation of domestic electric heating appliances are adhered to.
- 3.2 Describe and list all the tools and instruments that will be required to complete a satisfactory installation of domestic electric heating appliances.
- 3.3 Ensure that customer advice is delivered in a friendly and meaningful way.
- 3.4 Ensure that the process of levelling and locating equipment is carried out in accordance with manufactures and relevant industry requirements.
- 3.5 Describe and list all the necessary safety checks required for the installation of electric heating appliances.
- 3.7 Describe and list all necessary cabinet adjustment required for the safe operation of domestic electric heating appliances.

**Learning outcome 4**

**Describe and list the repairs and part replacement required for domestic electric heating appliances.**

**Assessment criteria**

- 4.1 Describe the simple replacement of components.
- 4.2 Check for door fit, install shelving and appropriate fixtures.

**8. Delivery of the module**

**Delivery strategy**

Delivery strategies must be suitable for learning both theoretical and practical aspects described in the module purpose. It is considered that the most effective method to achieve this is by integration of theory and practice where students learn by experimentation, research and reports. It is recommended that learning and assessment be facilitated in a holistic manner that may require learning outcome sequence other than that indicated in the module.

**Resource requirements**

Resources should be sufficient for students to carry-out learning activities on an individual basis. This could include:

- Suitable workshops/laboratories
- Suitable tools and equipment.

Variety of styles and models of domestic electric heating appliances.

**Occupational health and safety requirements**

A safe and healthy environment will be provided for students and teachers as well as the particular safety procedures followed as part of the learning / teaching activity and content.