

-SQA- SCOTTISH QUALIFICATIONS AUTHORITY

**Hanover House
24 Douglas Street
GLASGOW G2 7NQ**

NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number-	1152110	-Session-	1990-91
-Superclass-	SL		

-Title-	HEALTH AND SAFETY AT WORK FOR FORESTRY WORKERS
----------------	---

-DESCRIPTION-

Purpose	This module is designed to familiarise students with their statutory rights and obligations under the Health and Safety at Work (etc) Act 1974 and to introduce elementary First Aid procedures. The student will also be made aware of fire prevention and methods of fighting fires in a forest situation. In addition the student will be able to lift and handle heavy and awkward shaped objects.
---------	--

It is aimed at those who wish to develop their abilities at the craft level in the land based sector.

Preferred Entry Level	No formal entry requirements.
-----------------------	-------------------------------

Outcomes	The student should: <ol style="list-style-type: none">1. outline employment conditions and the statutory responsibilities for health, safety and welfare at work;2. treat minor accidents and take appropriate action for more major accidents;3. outline the major methods of fire prevention and fire-fighting in the forest;4. lift and handle heavy and awkwardly shaped objects.
----------	--

Assessment Procedures	Acceptable performance in the module will be satisfactory achievement of all the Performance Criteria specified for each Outcome.
-----------------------	---

The following abbreviations are used below:

PC Performance Criteria
IA Instrument of Assessment

Note: The Outcomes and PCs are mandatory and cannot be altered. The IA may be altered by arrangement with SQA. (Where a range of performance is indicated, this should be regarded as an extension of the PCs and is therefore mandatory.)

OUTCOME 1 OUTLINE EMPLOYMENT CONDITIONS AND THE STATUTORY RESPONSIBILITIES FOR HEALTH, SAFETY AND WELFARE AT WORK

- PCs
- (a) The statement of the employer's responsibility under the Health and Safety at Work Act is correct.
 - (b) The statement of the employee's responsibility under the Health and Safety at Work Act is correct.
 - (c) The outline of employment conditions in the forestry industry is comprehensive in terms of types of employment, payment and tax.

IA Restricted Response Questions

The student will be set restricted response questions to test the knowledge required to outline employment conditions and the statutory responsibilities for health, safety and welfare at work.

The exercise will consist of 3 restricted response questions, one for each Performance Criteria.

Satisfactory achievement of this Outcome will be based on the student producing 3 correct responses.

OUTCOME 2 TREAT MINOR ACCIDENTS AND TAKE APPROPRIATE ACTION FOR MORE MAJOR ACCIDENTS

- Pcs
- (a) The identification of the extent of injury is correct.
 - (b) The action taken including the follow up is appropriate to the injury.
 - (c) The ordering of the procedures for dealing with serious accidents is correct for the given situation.
 - (d) The completion of an accident report is correct and accurate.

IA Practical Exercise

The student will be set a practical exercise to test the knowledge and skill required to treat minor accidents and take appropriate action for more major accidents.

The student will be presented with a simulation situation involving four pre-identified injuries requiring treatment and will be expected to meet all the standards specified in the Performance Criteria.

The assessment may be carried out with the aid of an observation checklist.

Satisfactory achievement of the Outcome will be based on student meeting all of the Performance Criteria.

OUTCOME 3**OUTLINE THE MAJOR METHODS OF FIRE PREVENTION AND FIRE-FIGHTING IN THE FOREST**

PCs

- (a) The outline of the major methods of fire prevention in the forest is comprehensive.
- (b) The identification of fire-fighting equipment in the forest is appropriate to the type of fire.

IA Restricted Response Questions

The student will be set restricted response questions to test the application of knowledge required to outline the major methods of fire prevention and fire-fighting in the forest.

The exercise will consist of 4 questions allocated as follows:

- (i) 2 on Performance Criterion (a)
- (ii) 2 on Performance Criterion (b)

Satisfactory achievement of the Outcome will be based on the student producing 4 correct responses.

OUTCOME 4 LIFT AND HANDLE HEAVY AND AWKWARDLY SHAPED OBJECTS

- PCs
- (a) The handling of heavy and awkwardly shaped objects is safe and efficient.
 - (b) The lifting of heavy and awkwardly shaped objects is safe and efficient.
 - (c) The identification of the consequences of poor lifting and handling techniques is correct.

IA Practical Exercise

The student will be set a practical exercise to test the knowledge and skills required to lift and handle heavy and awkwardly shaped objects.

The student will be expected to carry out the following on one occasion:

- (i) handling and lifting of a sack or bag 25-50 kg, a large box, a small heavy object, a concrete block or paving slab, loose material in bulk, logs and pulp.
- (ii) correctly state the consequences of using poor lifting and handling techniques.

The assessment may be carried out with the aid of an observation checklist.

Satisfactory achievement of the Outcome will be based on all the Performance Criteria being met.

**The following sections of the descriptor are offered as guidance.
They are not mandatory.**

CONTENT/CONTEXT

Safety regulations and safe working practices and procedures should be adhered to at all times.

Corresponding to the Outcomes 1-4:

1. A study of the relevant publications by HSE and FTC.

General requirements under Health and Safety at Work Act (1974) (HASAWA). Primary responsibilities of employer and employee under HASAWA. Role of Health and Safety Executive. Role of Forestry Safety Council and FSC leaflets. Distinction between regulations and codes of practice.

Importance of safe practice, training, protective clothing. Common injuries in forest work. Recognition of hazardous situations. General safety precautions to be undertaken, safe working distances, etc.

Types of employment and payment found in forestry; direct, self-employed, contracting; time rated, piece work.

Tax and other deductions from pay. Tax allowances (personal).

Role of Unions, Wages Councils, Forestry Training Council, DHSS.

2. Instruction of First Aid by a fully qualified instructor.

Emergency first aid procedures in event of minor injury, severe injury, shock, suspected poisoning, burns or scalds, electric shock.

The importance of anti-tetanus injections is stressed. Order of procedures for dealing with serious accidents. Demonstrations of mouth-to-mouth resuscitation, stemming serious bleeding and the "recovery position". Contents of first aid box. Procedures in case of an accident. Accident reports.

3. An on site study of existing fire-fighting equipment. The major methods of fire prevention and fire-fighting in the forest.

4. Practical lifting and handling exercises.

SUGGESTED LEARNING AND TEACHING APPROACHES

To attain Outcome 1 student should be given access to relevant publications for private study with ready access to tutor in case of difficulty in interpretation.

Outcome 2 should be pursued under a fully qualified instructor using simulated situations for demonstration and practice.

Outcome 3 should include a lecture from the Fire Prevention Officer of the local Fire Service, followed up by site visits to forest situations to study fire-fighting equipment in situ and if possible, students should take part in controlled burning operations.

Outcome 4 Methods of safe lifting and handling of heavy and awkwardly shaped objects and materials is first demonstrated and subsequently practised.

© **Copyright SQA 1990**

09/02/98 JH/GS