

-SQA-SCOTTISH QUALIFICATIONS AUTHORITY

**Hanover House
24 Douglas Street
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NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number- 0068253 -Session-1986-87
-Superclass- SH

-Title- POULTRY EQUIPMENT

-DESCRIPTION-

Type and Purpose A general module which enables the student to acquire the knowledge and skills required for the operation and maintenance of poultry equipment.

Preferred Entry Level 08100 Basic Livestock Care

Learning Outcomes The student should:

1. know basic poultry equipment;
2. select the most suitable equipment for a given task;
3. know the processes of deterioration in constructional material;
4. know the preservation techniques for timber and metal;
5. adjust, operate and maintain equipment safely;
6. know the replacement policies for equipment.

Content/ Context Corresponding to the Learning Outcomes:

1. basic equipment should include: cages for brooding and laying; mechanical feeders for cage or litter use; feeders and drinkers; fan boxes, fail safe devices; time clocks; thermostats; dimmers; thermometers; nest boxes, gas and electric brooders; fans and fan controls; power hose; vacuum cleaners and weighing machines.

2. advantages and disadvantages of different types of equipment and reasons for selecting particular items (excluding hatchery and processing areas) for different ages and species of stock.
3. deterioration of metal, timber, concrete, plastics and other materials used in the poultry industry.
4. preservation techniques for timber and metal.
5. general operation and maintenance of equipment with emphasis on safety measures. Regular servicing and inspection according to manufacturers' recommendations.
6. replacement policies for equipment.

Suggested
Learning and
Teaching
Approaches

Some formal teaching/demonstration may be necessary initially to describe equipment. The main approach however should be through small group practical work.

Students should operate, dismantle and reassemble as much of the equipment as possible.

Assessment
Procedures

All Learning Outcomes must be validly assessed.

The student must be informed of the tasks which contribute to summative assessment. Any unsatisfactory aspects of performance should, if possible, be discussed with the student as and when they arise.

Acceptable performance in the module will be satisfactory achievement of the performance criteria specified for each Learning Outcome.

Where cutting scores are stated these are intended to be for guidance. The precise cutting score for a test will depend on the difficulty of the test and will have to be decided by the Tutor aided by the Assessor.

The following abbreviations are used below:

LO Learning Outcome
IA Instrument of Assessment
PC Performance Criteria

LO1	IA	Identification test.
	PC	The student identifies fourteen common pieces of equipment.
		Cutting score 70%.
LO2	IA	Written test.
	PC	The student selects the most suitable equipment for fourteen common tasks.
		Cutting score 70%.
LO3	IA	Written test consisting of 10 short answer questions.
	PC	The student describes the processes of deterioration of constructional material.
		Cutting score 70%.
LO4	IA	Written test consisting of 10 short answer questions.
	PC	The student describes the preservation techniques for timber and metal.
		Cutting score 70%.
LO5	IA	Practical exercise used with observation checklist - the student operates and maintains two common pieces of poultry equipment.
	PC	The student:
	(a)	correctly sets equipment appropriate to age and type of stock;
	(b)	adequately checks that equipment is functioning properly;
	(c)	observes all safety precautions;
	(d)	services equipment regularly and efficiently;
	(e)	dismantles and assembles equipment using correct procedures;
(f)	correctly assesses need for servicing.	

LO6

IA Written test consisting of - 10 short answer questions on the replacement policies for equipment.

PC The student describes replacement policies for poultry equipment.

Cutting score 70%