-SQA-SCOTTISH QUALIFICATIONS AUTHORITY

Hanover House
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NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number- **0074505** **-Session-1987-88**
-Superclass- **XR**

-Title- **VEHICLE BODY BUILDING: INTRODUCTION ($x^1/_2$)**

-DESCRIPTION-

Type and Purpose

A specialist module which introduces the preparatory work necessary to set out and construct vehicle bodies.

Preferred Entry Level

74806 Graphical Communication
64720 Marking Out Procedures

Learning Outcomes

The student should:

1. extract information from drawings, schedules, instructions and specifications and relate it to vehicle body building practices;

2. determine the true dimensions of a component from a scale drawing;

3. prepare a schedule of materials and parts.

Content/ Context

Corresponding to Learning Outcomes 1-3:

1. Interpretation of:

   (a) chassis prints;
   (b) body equipment supplier's specifications;
   (c) line diagrams;
   (d) customer specification;
   (e) customer's general arrangement drawings;
   (f) detailed layout drawings;
   (g) centre, reference and datum lines;
   (h) drawing schedules and numbering systems;
   (I) 200 mm grid method of planning;
   (j) workshop layout board.

Use of layout boards. Template manufacture.

2. Application of scales to drawings to determine true dimensions.

3. Selection of materials; stock sizes of materials.

Prepared material identification systems.

Economic use of materials.

Inter-relation of sections for ease of assembly.

Suggested Learning and Teaching Approaches

The lecturer should demonstrate the procedure and working methods used. This should be followed by activity based instruction with the students working individually to achieve each learning outcome.

This module should be integrated with a vehicle body building module to give an identified application to the learning outcomes.

Assessment Procedures

Acceptable performance in the module will be satisfactory achievement of the performance criteria specified for each learning outcome.

The following abbreviations are used below:

LO Learning Outcome
IA Instrument of Assessment
PC Performance Criteria

LO1 IA Assignment report in which the student is given the following ten samples of information:

(a) chassis print;

(b) body equipment supplier's specification;

(c) line diagram;

(d) customer specification;

(e) customer's general arrangement drawing;

(f) detailed layout drawing;

(g) centre, reference and datum system;

(h) drawing schedule and numbering system;

(I) 200 mm grid method of planning;

(j) workshop layout board.

PC The student satisfactorily extracts appropriate information and relates it to correct vehicle body building practices.

LO2 IA Written graphics exercise in which the student is given a scale drawing of a component.

PC The student correctly:

(a) identifies the scale of a drawing;

(b) determines the true dimensions of a component or structure.

LO3 IA Written exercise in which the student is given drawings, schedules and other relevant documents to prepare a satisfactory schedule of materials and parts.

PC The student:

(a) indicates the type, size and quantity of materials selected;

(b) prepares a schedule with at least ten parts or components;

(c) ensures each item is referenced.