

-SQA-SCOTTISH QUALIFICATIONS AUTHORITY

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

NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number- 8170041 **-Session-1991-92**
-Superclass- KE

-Title- INTRODUCTION TO CLOSE-UP PHOTOGRAPHY

-DESCRIPTION-

Purpose This module is designed to introduce the student to the basic techniques of close-up photography.

It is aimed at students who are taking introductory photography modules. However, it would also be advantageous to those students who will be progressing to advanced studies in photography or as an introduction to Module No. 61859 Scientific Photography.

Preferred Entry Level 91844 Introduction to Photography
81850 Camera Techniques 1.

Outcomes The student should:

1. explain the reasons for using close-up photography;
2. identify the basic equipment required to undertake close-up photography;
3. photograph a given subject at a pre-determined magnification;
4. produce prints to given enlargement ratios.

Assessment Procedures Acceptable performance in this 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 EXPLAIN THE REASONS FOR USING CLOSE-UP PHOTOGRAPHY

- PCs
- (a) The identification of subject material suitable for close-up photography is correct.
 - (b) The explanation of the reason for using close-up photography is correct with respect to definition, detail, and production of print at given magnification.
 - (c) The identification of potential users of close-up photography is comprehensive with respect to different occupational areas.

IA Assignment

The student will be presented with an assignment and will be required to write a short report to demonstrate his/her understanding of the types of subject suitable for close-up photography and the occupational areas in which it would be of particular use eg. medicine, science, art and design, natural history, industry.

Satisfactory achievement of the Outcome will be demonstrated by the student completing a report which encompasses all Performance Criteria.

OUTCOME 2 IDENTIFY THE BASIC EQUIPMENT REQUIRED TO UNDERTAKE CLOSE-UP PHOTOGRAPHY

- PCs
- (a) The identification of the type of camera and lens combination suitable for use in close-up photography is correct with regard to single lens reflex cameras and through the lens metering systems.
 - (b) The explanation of the reason for using extension tubes and Bellows Units is correct in terms of the magnification of the image size relevant to the object being photographed.

IA Objective Test

The student will be set an exercise consisting of objective items to test his/her knowledge of the equipment required for close-up photography.

The exercise will consist of questions which will be based on the Performance Criteria and allocated as follows:

- (a) 2 questions on type of camera, type of lens, metering;
- (b) 2 questions on advantages and disadvantages of extension pipes and Bellows Units.

Objective items could be short answer questions, multiple choice questions, matching exercise etc.

Satisfactory achievement of the Outcome will be based on all Performance Criteria being met. This will be demonstrated by the student giving correct responses to all 4 questions.

OUTCOME 3**PHOTOGRAPH A GIVEN SUBJECT AT A PRE-DETERMINED MAGNIFICATION**

PCs

- (a) The selection of camera equipment is appropriate for the given subject in terms of camera, lens, close-up equipment used and camera support.
- (b) The choice of lighting method is appropriate to the given subject.
- (c) The methods used to set up the equipment and position the subject are correct with respect to eliminating movement.
- (d) Determination of exposure is correct for the given subject.
- (e) Negatives are correctly exposed and processed.

IA Practical Exercise

The student will be presented with a practical exercise to demonstrate his/her ability to photograph a given subject at a pre-determined magnification using appropriate lighting.

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

OUTCOME 4 PRODUCE PRINTS TO GIVEN ENLARGEMENT RATIOS

PCs

- (a) Negatives are printed to the given enlargement ratio.
- (b) Exposed and developed prints reproduce the correct tonal range for the subject.
- (c) The prints are finished and mounted effectively for presentation.

IA Assignment

The student will be presented with a brief to produce a series of 3 enlarged photographs (up to 8" x 10") at a specified enlargement ratio for each subject. They may or may not be at the same given enlargement ratio. The student should record on a worksheet details of:

choice of subject;
lens and equipment;
exposure times;
shutter speed and F numbers;
choice of paper surface.

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

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

CONTENT/CONTEXT

Corresponding to Outcomes 1-4:

The student should at all times comply with procedures and regulations designed for safe practice and use safe working practices specified for photographic materials and darkroom work areas.

1. Range of applications relating to the use of close-up photography.
 2. Cameras, 35mm single lens reflex with facilities for interchangeable lenses.

Lenses, standard lenses and special Macro lenses, supplementary lenses.
Extension tubes, Bellows Units, (Auto and non Auto).
Interchangeable camera screens for use in close-up work.
 3. Coping with subject movement in close-up work.
The use of camera tripods and camera stands.
Increase in exposure with increase in magnification: (exposure valuation/compensation).

Lighting: portable electronic flash lighting; tungsten and quartz halogen lighting; available lighting (daylight).
 4. Enlargers, scales and measuring devices, printing papers, presentation techniques.
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SUGGESTED LEARNING AND TEACHING APPROACHES

The student should follow an activity-based learning approach, seeking guidance at each stage.

Activities should be centred on assignments based on well defined briefs. Each procedure should be explained and demonstrated by the tutor and, where possible, exemplars be shown with the student then participating under tutor supervision.

Students should be encouraged to compare results with each other and to discuss different approaches and solutions to problems.

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

It is recommended that the student compiles a worksheet detailing work undertaken and that all prints and negatives be retained by the student in a portfolio of work.

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