**This Unit has been replaced by F8KM 12 and is Valid until July 2011**

**National Unit Specification: general information**

UNIT            Digital Imaging (Higher)

NUMBER          D7YF 12

COURSE

**SUMMARY**

The unit is designed to update skills, techniques and applications needed in image making using digital techniques.

**OUTCOMES**

1    Demonstrate competence in the process of importing images into a digital environment.
2    Demonstrate competence in image manipulation within a given software package.
3    Produce a series of digitally enhanced or manipulated images to meet the requirements of a given assignment.
4    Output final images onto appropriate printing media.

**RECOMMENDED ENTRY**

While entry is at the discretion of the centre it would be beneficial if candidates had prior experience in the use of camera controls and darkroom techniques.

**CREDIT VALUE**

1 credit at Higher.

**CORE SKILLS**

**Administrative Information**

**Superclass:**        KE

**Publication date:**   1 August 2002

**Source:**            Scottish Qualifications Authority 2002

**Version:**           01

Information on the automatic certification of any core skills in this unit is published in *Automatic Certification of Core Skills in National Qualifications* (SQA, 1999).

## Administrative Information

# National Unit Specification: statement of standards

## UNIT        Digital Imaging (Higher)

Acceptable performance in this unit will be the satisfactory achievement of the standards set out in this part of the unit specification. All sections of the statement of standards are mandatory and cannot be altered without reference to the Scottish Qualifications Authority.

### OUTCOME 1
Demonstrate competence in the process of importing images into a digital environment.

### Performance criteria
a)        Identify the correct hardware required to import images – from negative/positive film.
- from prints
- from digital cameras.

b)        Set the software controls to result in the required file size.
c)        Import the chosen images.
d)        Save the imported images into an appropriate file type.

### Evidence requirements
Please refer to *Evidence requirements for the unit* at the end of the Statement of Standards.

### OUTCOME 2
Demonstrate competence in image manipulation within a given software package.

### Performance criteria
a)        Adjust d.p.i and size appropriate to final output.
b)        Carry out adjustment of colour balance, contrast and brightness as required.
c)        Remove any blemishes or marks from the image.
d)        Combine at least two images to create a new image.

### Evidence requirements
Please refer to *Evidence requirements for the unit* at the end of the Statement of Standards.

# National Unit Specification: statement of standards (cont)

**UNIT**      Digital Imaging (Higher)

**OUTCOME 3**
Produce a series of digitally enhanced or manipulated images to meet the requirements of a given assignment.

**Performance criteria**
a)      Select an assignment and identify equipment required.
b)      Download or import images into the selected software package.
c)      Using the techniques acquired in Outcome 2 manipulate images to meet the assignment specifications.
d)      Where appropriate add text or image frames.
e)      Save images.

**Evidence requirements**
Please refer to *Evidence requirements for the unit* at the end of the Statement of Standards.

**OUTCOME 4**
Output final images onto appropriate printing media.

**Performance criteria**
a)      Identify the hardware on which images will be produced.
b)      Select printing media to be used.
c)      Set up appropriate d.p.i to suit image and selected printing media.
d)      Print and present final images.

**Evidence requirements**
Please refer to *Evidence requirements for the unit* at the end of the Statement of Standards.

**EVIDENCE REQUIREMENTS FOR THE UNIT**
**Outcome 1**
The candidates will produce a computer file with all images saved into this environment (Min 6).

**Outcome 2**
The candidates will produce a computer file different from the file produced in Outcome 1 and save all manipulated images in an appropriate file format (Min. 4).

**Outcome 3**
The candidate will save images to an independent media type.

**Outcome 4**
Set of images.

# National Unit Specification: support notes

**UNIT**  Digital Imaging (Higher)

This part of the unit specification is offered as guidance.  The support notes are not mandatory.

While the exact time allocated to this unit is at the discretion of the centre, the notional design length is 40 hours.

## GUIDANCE ON THE CONTENT AND CONTEXT FOR THIS UNIT
This unit is designed to encourage the candidate in the application of digital imaging techniques.  The intention is to provide an opportunity for candidates to participate in this area of study at a reasonable level for a person with a limited experience of photography.  It is recommended that exercises undertaken in the study of this unit gives adequate opportunity for the candidate to explore the subject and to be creative.

The following information gives further clarification regarding the context in which outcomes and performance criteria are to be achieved.

**Outcome 1**
PC(b)  File size will be dependant on the final image output size and quality required.
PC(d)  File type eg PED, TIFF, JPEG etc will be dependant on image software being used eg photoshop, serif.

**Outcome 2**
PC(d)  Combined images should be saved with the layers to allow for assessment, therefore an appropriate file format must be selected eg PSD.

**Outcome 3**
For the Evidence Requirement in this outcome, candidates should save their work to all appropriate media types eg CD, ZIP etc.

## GUIDANCE ON LEARNING AND TEACHING APPROACHES FOR THIS UNIT
Teaching and Learning should be a combination of tutor centred investigation and candidate centred learning.  Candidates should be encouraged to take attitude towards the quality of their own work throughout this unit.  This emphasis throughout the unit should be on practical application, creativity and innovation.

## GUIDANCE ON APPROACHES TO ASSESSMENT FOR THIS UNIT
**Outcomes 1, 2 and 3** will be product evidence and available for "on-screen" assessment etc.

**Outcome 4**
The final presentation will be a hard copy of the images produced in Outcome 3.  It is envisaged that a series of 8-10 images would be appropriate for the brief.

**UNIT**        Digital Imaging (Higher)

**SPECIAL NEEDS**

This unit specification is intended to ensure that there are no artificial barriers to learning or assessment.  Special needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments or considering special alternative outcomes for units.  For information on these, please refer to the SQA document *Guidance on Special Assessment and Certification Arrangements for Candidates with Special Needs/Candidates whose First Language is not English* (SQA, 1998).