

Higher National Unit specification

General information for centres

Unit title: Audio Visual: Multimedia Digital Slide Production

Unit code: F1TL 34

Unit purpose: This Unit will provide candidates with the knowledge and skills necessary to produce a multi image digital slide production to a specific brief as commissioned by a client.

On completion of the Unit the candidate should be able to:

- 1 Propose a multimedia production solution to meet a client's brief.
- 2 Produce images suitable for multimedia production.
- 3 Construct a multimedia slide production.

Credit points and level: 1 HN credit at SCQF level 7: (8 SCQF credit points at SCQF level 7*)

**SCQF credit points are used to allocate credit to qualifications in the Scottish Credit and Qualifications Framework (SCQF). Each qualification in the Framework is allocated a number of SCQF credit points at an SCQF level. There are 12 SCQF levels, ranging from Access 1 to Doctorates.*

Recommended prior knowledge and skills: While access to this Unit will be at the discretion of the centre, it is expected that candidates have some computer competencies before taking this unit, and it would be extremely beneficial if they have gained some photographic competencies at NQ level. Examples of appropriate units at SCQF level 6 would be:

- D1D0 11 *Multimedia Computing: Introduction to Video Production*
D0F7 11 *Multimedia Computing: Introduction to Digital Photography*

Core Skills: There are opportunities to develop the Core Skill of Information Technology and Problem Solving at SCQF level 6, although there is no automatic certification of Core Skills or Core Skills components.

Context for delivery: If this Unit is delivered as part of a Group Award, it is recommended that it should be taught and assessed within the subject area of the Group Award to which it contributes.

Assessment: Outcome 1 will be assessed by the production of a treatment and set of storyboards, which meet the requirements of a brief, and a production schedule for the proposed programme. Outcome 2 may take the form of creating a minimum of 72 original photographic images. Outcome 3 may require candidates to produce a stand alone, ready to present multimedia digital slide production incorporating an audio source.

Higher National Unit specification: statement of standards

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The sections of the Unit stating the Outcomes, Knowledge and/or Skills, and Evidence Requirements are mandatory.

Where evidence for Outcomes is assessed on a sample basis, the whole of the content listed in the Knowledge and/or Skills section must be taught and available for assessment. Candidates should not know in advance the items on which they will be assessed and different items should be sampled on each assessment occasion.

Outcome 1

Create a multimedia production solution to meet a client's brief

Knowledge and/or Skills

- ◆ Treatment
- ◆ Storyboards
- ◆ Copyright legislation
- ◆ Production schedules

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can:

- ◆ produce a treatment to meet the requirements of the client brief
- ◆ create a storyboard for each image, to a minimum number of 72 separate images
- ◆ explain current copyright legislation relevant to the audio visual (AV) photographic industry
- ◆ key issues which must be covered are use, ownership and reproduction of a photographic image
- ◆ create a schedule for the programme within a relevant timescale. This must include details of subjects to be photographed, shots to be taken, locus, travel arrangements, duration of shoot, crew to be utilised, contact details for crew and location contacts

Assessment Guidelines

The candidate could be asked to produce a short synopsis of the client brief, indicating researched requirements prior to producing their treatment.

Candidates could be tasked with the production of a report of approximately 300 words describing key copyright issues relevant to the locus of acquisition and use of the photographic image.

Higher National Unit specification: statement of standards (cont)

Unit title: Audio Visual: Multimedia Digital Slide Production

Outcome 2

Produce images suitable for multimedia production

Knowledge and/or Skills

- ◆ Cameras
- ◆ Image capture
- ◆ File formats
- ◆ File transfer

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can:

- ◆ demonstrate the operation of a digital or film camera. The digital camera will be capable of acquiring an image at three mega-pixels or above
- ◆ capture 72 separate digital images using a digital camera or film camera. If a film camera is used the commercially developed positives or negatives subsequently scanned using photographic equipment to produce a digital image

Images captured should be colour or black and white, in joint photographic experts group, (.jpeg) file format, or tagged image file format (.tiff). Image size should be low resolution 640x 417 pixels, 8x6 inches at 72dpi, for websites, multimedia, presentations, or on line use, or may be high resolution 2000x1312 (3 mega pixels), 7x5 inches at 300dpi., suitable for print production.

- ◆ select image file format for image capture, from either .jpg., or .tiff, or a combination of both of these formats
- ◆ explain their choice of lossy or lossless compression as being the most appropriate to the brief
- ◆ transfer the captured image to a suitable storage medium, which may be a fixed or portable storage

Assessment Guidelines

It is recommended that practical evidence is gathered via an observation checklist, with the candidate demonstrating the ability to correctly operate a still or digital camera, and their capture of 72 digital images, using a camera, or scanner. A checklist is recommended for use to authenticate that the candidate has transferred or acquired the images in a suitable format, transferred and stored the images in a retrievable medium.

Higher National Unit specification: statement of standards (cont)

Unit title: Audio Visual: Multimedia Digital Slide Production

Outcome 3

Construct a multimedia digital slide production

Knowledge and/or Skills

- ◆ Storage devices internal and external
- ◆ Audio sources
- ◆ Programme construction
- ◆ Ripping and burning
- ◆ Publishing files to appropriate media.
- ◆ Software package to create a multimedia digital slide production

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can:

- ◆ create an audio music file, or record a narrative to include on the final artefact
- ◆ access digital images from folders, and create titling as appropriate to the client brief for the production
- ◆ produce a completed ready to run programme on portable medium

Assessment Guidelines

The assessment evidence may be the delivery of a completed programme meeting the requirements of the client brief, produced on a CD/DVD or other portable digital media. Practical evidence through a checklist and observation could be gathered to verify the process.

Administrative Information

Unit code: Audio Visual: Multimedia Digital Slide Production

Unit title: F1TL 34

Superclass category: KG

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History of changes:

Version	Description of change	Date

Source: SQA

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Higher National Unit specification: support notes

Unit title: Audio Visual: Multimedia Digital Slide Production

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

Candidates could be given as much practical experience as possible in the acquisition of images suitable for digital production. Visits to suitable centres such as museums and visitor attractions, will enable the candidates to see audio visual presentations using stills technology, and such visits may be arranged as appropriate.

Outcome 1 requires the candidate to produce a treatment to meet a client's needs as expressed through an agreed brief. This may require an amplification and clarification of the needs of the client, and any adjustments made to the way in which the candidate may be intending to comply with the clients needs may be made at this preproduction stage.

Outcome 2 may require the candidate to become familiar with the operation of cameras and associated equipment to acquire an image that meets the requirement of the brief. It may be that the brief requires images to be of a technical, rather than a creative nature, and the candidate may be expected to develop both the creative and technical skills, to provide or use images that suit the particular client brief. For example, a client could be an orthodontist, seeking slides that may be images of teeth. Conversely, the client may require images of the Pentland hills to be captured for a sales promotion. The candidate may use their own flair and originality in the interpretation of the brief, and transfer their images to a programme that is capable of producing still images in a slide format of their choice.

Outcome 3 involves the candidate assembling all the elements, images and audio, that will enable them to create a finished self running programme that meets the requirements of the clients brief and burn a copy to a suitable media for distribution.

Guidance on the delivery and assessment of this Unit

It is expected that candidates have some computer competencies before taking this Unit, and it would be extremely beneficial if they have gained some photographic competencies at NQ level. The application of knowledge in the treatment and production of a screen based presentation, and the creation or acquisition of images, will provide opportunities to develop problem solving and technology skills to an advanced level. This Unit may be taught as a stand alone Unit. However, it is possible that this Unit may be integrated with the Unit DE2T 34 *Audio Visual Techniques for Multimedia Applications*.

Opportunities for developing Core Skills

There are opportunities to develop the Core Skill of Information Technology at SCQF level 6 and Problem Solving at SCQF level 6 in this Unit, although there is no automatic certification of Core Skills or Core Skills components.

Higher National Unit specification: support notes (cont)

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Candidates may be required to seek solutions to a range of theoretical and practical issues involved in the production of a multimedia digital slide production to meet the requirements of a given brief. The use of computer based technology using an appropriate software package, file formats, the technical operation of camera and scanning production equipment, the production of a finished artefact burned onto a suitable media , making effective and responsible use of hardware devices and software applications demonstrating due attention to other users, all reflect the technological aspect of the Unit. Candidates will be required to use IT systems independently to process a range of information.

Open learning

This Unit may be suited to delivery by distance learning, providing the candidate makes arrangements with the centre to access the specialist equipment required for Outcomes 2 and 3.

Candidates with disabilities and/or additional support needs

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering alternative Outcomes for Units. Further advice can be found in the SQA document *Guidance on Assessment Arrangements for Candidates with Disabilities and/or Additional Support Needs* (www.sqa.org.uk).

General information for candidates

Unit title: Audio Visual: Multimedia Digital Slide Production

This Unit will introduce you to technology which enables you to create an audio visual multimedia digital slide production, producing a finished product which meets client specifications. It is a creative Unit, allowing you to create a multimedia production that combines images you have created or acquired, and audio you have sourced or recorded.

In Outcome 1 you will propose a multimedia production solution to meet a client's brief and produce a corresponding treatment, storyboard, and copyright report.

In Outcome 2 you will use appropriate equipment to create a multimedia production that combines images you have created, and audio that is created or sourced. Self taught instructions may be available for downloading for the camera types involved, so that you can access these instructions at any time. Software may be referred to, enabling you to create the application, using common image file formats. The assessment for Outcome 2 may take the form of you being tasked with creating or acquiring a minimum of 72 separate digital photographic still images.

Outcome 3 requires you to produce a stand alone, ready to present multimedia slide production incorporating still images and sound into a final, self contained programme, burned to suitable media for distribution. This Outcome deals with the practical knowledge required to create your final artefact using relevant hardware and software.

The use of computer-based technology using appropriate software and file formats, the technical operation of camera and scanning production equipment, the production of a finished artefact transferred to a suitable medium, and the effective and responsible use of hardware and software applications reflect the strong technological aspect of the unit. As such, there are opportunities for you to develop the Core Skill of Information Technology and Problem Solving to SCQF level 6 in this Unit.