



Higher National Unit specification

General information

Unit title: Lighting: Multi-camera

Unit code: H4AA 35

Superclass: KA

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Unit purpose

This Unit is designed to enable learners who have previous experience in lighting and/or who have completed *Lighting: An Introduction* to apply lighting to meet the requirements of a multi-camera production brief.

In general the learner will be responsible for the specified lighting requirements for a complex multi-camera production. The production brief can either be on location or in a conventional television studio.

Outcomes

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

- 1 Evaluate the lighting required for a given location for a multi-camera production.
- 2 Rig and de-rig lighting systems for a multi-camera production.
- 3 Apply lighting techniques for a given multi-camera production brief.

Credit points and level

2 Higher National credits at SCQF level 8 (16 SCQF credit points at SCQF level 8)

Recommended entry to the Unit

Access to this Unit will be at the discretion of the centre. However, it is recommended that learners should have some prior knowledge and skills in lighting. This may be evidenced by possession of the HN Unit *Lighting: An Introduction*.

Higher National Unit specification: General information (cont)

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Core Skills

Opportunities to develop aspects of Core Skills are highlighted in the Support Notes for this Unit specification.

There is no automatic certification of Core Skills or Core Skill components in this Unit.

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.

Equality and inclusion

This Unit specification has been designed to ensure that there are no unnecessary barriers to learning or assessment. The individual needs of learners should be taken into account when planning learning experiences, selecting assessment methods or considering alternative evidence.

Further advice can be found on our website www.sqa.org.uk/assessmentarrangements

Higher National Unit Specification: Statement of standards

Unit title: Lighting: Multi-camera

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 SQA.

Outcome 1

Evaluate the lighting required for a given location for a multi-camera production.

Knowledge and/or Skills

- ◆ Electrical power supply and distribution.
- ◆ Site survey report
- ◆ Working within design constraints
- ◆ Selection of appropriate range of luminaires
- ◆ Health and Safety hazards

Outcome 2

Rig and de-rig lighting systems for a multi-camera production.

Knowledge and/or Skills

- ◆ Select and fix portable rigging equipment
- ◆ Select and rig studio rigging equipment
- ◆ Rig luminaires as per requirements of a lighting plot
- ◆ De-rig luminaires
- ◆ Set and focus luminaires
- ◆ Work within current Health and Safety procedures

Outcome 3

Apply lighting techniques for a given multi-camera production brief.

Knowledge and/or skills

- ◆ Selection of luminaires
- ◆ Producing a lighting plot
- ◆ Positioning of luminaires
- ◆ Creation of desired lighting effect and style
- ◆ Work within current Health and Safety procedures

Higher National Unit specification: Statement of standards (cont)

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Evidence Requirements for the Unit

Performance evidence covering all items in Knowledge and Skills for Outcomes 1-3 in the form of a video sequence and production documentation which show that the learner can:

- ◆ Produce a detailed site survey report of the location to be used for the production.
- ◆ Select the appropriate type and number of luminaires required for given production brief.
- ◆ Rig, set and focus luminaires under the direction of the lighting director.
- ◆ Record lighting sequences to meet requirements of production brief.
- ◆ De-rig luminaires after use.
- ◆ Carry out working practices in accordance with legal requirements relating to Health and Safety.
- ◆ Develop a lighting plot to meet the requirements of a given production brief.
- ◆ Apply lighting techniques to provide visual effects required by a given production brief.
- ◆ Record lighting sequences and save to an appropriate medium.
- ◆ Maintain production file containing:
 - Evidence of planning
 - Lighting Plot
 - Site report
 - List of luminaires
 - Risk Assessments
 - Notes/minutes from Production Meetings
 - Analyses of production plans generated from meetings with other production team members

The production file must contain an evaluation of the lighting plot devised for the production, with analysis and rationale for the choice of luminaires.



Higher National Unit: Support Notes

Unit title: Lighting: Multi-camera

Unit Support Notes are offered as guidance and 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

In general the learner will be responsible for the specified lighting requirements for a multi-camera production. The production brief can either be on location or in a conventional television studio. The learner will be working as part of a team with other learners who could be concurrently undertaking different origination Units.

Guidance on approaches to delivery of this Unit

Outcome 1 covers the planning of the deployment of lighting for a complex production. Learners will carry out planning in consultation with the programme director and other members of the production team. The learner will evaluate the location of the production taking into consideration electrical loadings and whether this is a multi-set studio production or production areas at a given venue. It is essential that the learner will have some knowledge of electrical theory to enable them to accurately record the total electrical load required for the production. Accurate and detailed analysis of production plans created at the production planning meetings is important together with records of planning meetings. (Plans should take into account the venue, sets and lighting cues.) Good communication skills are of paramount importance as the learner will have to disseminate the information to other members of the production staff. Health and Safety implications for the production should also be considered.

Outcome 2 is very much a practical Outcome and is concerned with the deployment of the lighting equipment required to produce the desired lighting effect for the production. The learner will be required to perform the safe rigging and de-rigging of luminaires and associated equipment in accordance with the desired lighting plot. This will be performed whilst observing current Health and Safety requirements.

Outcome 3 is also a practical Outcome where the learner will design the lighting required for a given production brief. From his or her lighting plot the learner will supervise the erection and focusing of all the production lighting requirements. The learner will assess lighting levels and cues and make adjustments were necessary. This will be performed whilst observing current Health and Safety requirements.

Higher National Unit: Support Notes (cont)

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Guidance on approaches to assessment of this Unit

Evidence can be generated using different types of instruments of assessment. The following are suggestions only. There may be other methods that would be more suitable to learners.

Centres are reminded that prior verification of centre devised assessments would help to ensure that the national standard is being met. Where learners experience a range of assessment methods, this helps them to develop different skills that should be transferable to work or further and higher education.

Learners will need to be shown how to select and position lighting to meet the requirements of the production brief. Lighting used should accurately depict desired lighting effects and style. All recorded sequences must be retained for inclusion in the portfolio of evidence which learners will submit for the Unit.

The assessment for this Unit will be product based in the form of:

- ◆ A site survey report based on the location where production is taking place.
- ◆ Assessment of performance in rigging and de-rigging luminaires used in the production.
- ◆ Recorded sequences showing use of selected lighting and application of lighting techniques to produce specified effects.

Course tutors should use a suitable assessor's checklist to authenticate learner's work in rigging and de-rigging lighting used.

Learners should also produce a production file containing written evidence of planning, minutes of production meetings, analyses of production plans generated from meetings with other production team members, etc. The production file should contain a written evaluation of the lighting plot devised for the production, with analysis and rationale for the choice of luminaires.

Opportunities for e-assessment

E-assessment may be appropriate for some assessments in this Unit. By e-assessment we mean assessment which is supported by Information and Communication Technology (ICT), such as e-testing or the use of e-portfolios or social software. Centres which wish to use e-assessment must ensure that the national standard is applied to all learner evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. The most up-to-date guidance on the use of e-assessment to support SQA's qualifications is available at www.sqa.org.uk/e-assessment.

Opportunities for developing Core and other essential skills

Depending on the learning and teaching/assessment approaches adopted, this Unit will provide a number of opportunities for developing all three components of *Communication* at SCQF level 6, two components of *Problem Solving* at SCQF level 6 and the *Working Co-operatively with Others* component of *Working with Others* at SCQF level 6.

Higher National Unit: Support Notes (cont)

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Communication: Oral Communication at SCQF level 6

Learners will need to convey information, ideas and opinions accurately, coherently and authoritatively using vocabulary and language structures appropriate to the audience. If contributing orally to discussion, they will respond to others and take account of their contributions. On occasion learners will also need to ask pertinent questions, seek clarification of instructions and consider and evaluate received responses.

Learners will have to disseminate the information to other members of the production staff. Health and Safety instructions and responsibilities for the production must also be communicated.

Communication: Written Communication (Writing) at SCQF level 6

Learners will provide a location/planning meeting report identifying such areas as risk assessment, electrical mains supply and locations of connection. They will also provide a detailed lighting plot for the production together with the documentation for recorded sequences. The plot may include diagrams and explanations and use specialist technical vocabulary.

Communication: Written Communication (Reading) at SCQF level 6

This Unit requires learners to operate different types of equipment, which will involve reading instructions, operating manuals or other informative and explanatory text, including information about Health and Safety. Learners will use this information to make decisions about the use and selection of equipment and accessories.

Problem Solving: Critical Thinking at SCQF level 6

Learners will have to analyse a brief and identify an effective approach to the task. Before doing this they will need to consider alternative ways of doing it and assess the advantages and disadvantages of each. Relevant information and a variety of factors will need to be identified and analysed in order to produce a satisfactory solution to the brief.

Problem Solving: Planning and Organising at SCQF level 6

Before starting the task, learners will need to plan their approach and actions. This will involve generating a number of ideas and selecting the best combinations of equipment, positions, etc for including in the final set-up.

Working with Others: Working Co-operatively with Others at SCQF level 6

Throughout the Unit, learners will be required to work co-operatively with others to ensure the successful completion of the brief. During the Unit, learners will plan and organise the lighting and use of accessories and other resources. This will involve working co-operatively with other members of the production team and possibly others such as staff and contributors. This is also likely to involve negotiation with other learners providing related services.

Higher National Unit: Support Notes (cont)

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Other essential skills

Throughout the Unit learners will develop knowledge and skills which are specifically intended to enhance their employability as a lighting person in the Creative Industries sector. Because these and other soft skills such as punctuality, presentability and efficient time management are readily transferable, they could also be applied to many other media and areas of employment such as photography and film and video making.

History of changes to Unit

Version	Description of change	Date

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General information for Learners

Unit title: Lighting: Multi-camera

This section will help you decide whether this is the Unit for you by explaining what the Unit is about, what you should know or be able to do before you start, what you will need to do during the Unit and opportunities for further learning and employment.

This Unit will enable you to build on your previous experience in television lighting to acquire the skills and knowledge required to become a lighting director responsible for the lighting design and effect for a multi camera production.

For either a television studio or a given location or venue you will be taught how to identify the problems that present themselves for the given lighting brief discussed at the programme planning meeting and how to overcome them. You will be responsible for producing a lighting plot, the correct selection and positioning of the luminaires, the focusing of the luminaires, the lighting levels and light cues required to produce the desired lighting effect.

You will learn how to plan for the use of lighting in a production, and how to produce a lighting plot which sets out types of lighting to be used.

As a member of the production team for a multi camera production you will be expected to exercise authority and leadership.