



National Unit specification: general information

Unit title: Screen Printing: Monotone Fine Line and Halftone (SCQF 6)

Unit code: FV56 12

Superclass: KH

Publication date: September 2011

Source: Scottish Qualifications Authority

Version: 01

Summary

The purpose of this Unit is to enable candidates to develop their knowledge, understanding and skills in fine detail and halftone screen printing process. Candidates will accurately prepare stencils suitable for monotone fine-line and halftone screen printing from supplied images. On completion of the Unit, candidates will develop their knowledge and skills in a highly specialised area of the screen printing process that will enable them to produce monotone fine-line and halftone prints.

This is an optional Unit within the National Certificate in Screen Printing at SCQF level 5. It is also suitable for delivery as a freestanding Unit. It is suitable for school leavers and adult learners who are undertaking a screen printing course or who are already working in the industry.

Outcomes

- 1 Prepare stencils for fine line and halftone from supplied film.
- 2 Produce monotone fine line and halftone screen process prints.

Recommended entry

While entry is at the discretion of the centre, candidates would normally be expected to have attained one of the following, or equivalent:

- ◆ *Screen Printing: An Introduction to the Process* (SCQF level 5)
- ◆ *Creative Printmaking with Photography: Digital Techniques* (SCQF level 5)
- ◆ *Computer Applications for Print: An Introduction* (SCQF level 5)

General information (cont)

Unit title: Screen Printing: Monotone Fine Line and Halftone (SCQF 6)

Credit points and level

1 National Unit credit at SCQF level 6 (6 SCQF credit points at SCQF level 6*)

**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.*

Core Skills

Opportunities to develop aspects of Core Skills are highlighted in the support notes of this Unit specification.

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

National Unit specification: statement of standards

Unit title: Screen Printing: Monotone Fine Line and Halftone (SCQF 6)

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

Prepare stencils for fine line and halftone from supplied film.

Performance Criteria

- (a) Select a screen with the appropriate mesh count for fine line reproduction.
- (b) Select a screen with the appropriate mesh count for halftone reproduction.
- (c) Produce an accurate stencil from supplied film for fine line.
- (d) Produce an accurate stencil from supplied halftone film.

Outcome 2

Produce monotone fine line and halftone screen process prints.

Performance Criteria

- (a) Prepare machine correctly and safely for the printing procedure.
- (b) Select ink suitable for fine line and halftone work.
- (c) Present finished prints that meet the requirements of the given project brief.

Evidence Requirements for this Unit

Evidence is required to demonstrate that candidates have achieved all Outcomes and Performance Criteria. The candidate will also observe all current health and safety legislation relating to machinery and the safe use of chemicals and materials at all times.

Performance and product evidence should be provided to demonstrate that the candidate has achieved all the Outcomes and Performance Criteria.

The candidate will use the appropriate screen-printing techniques in order to produce finished prints of two images that meet the requirements of the given project brief.

Outcome 1— Performance and product evidence

From artwork supplied and a given project brief, product and performance evidence will be provided under supervised open-book conditions, including:

- ◆ selection of a screen with a mesh suitable for fine line reproduction
- ◆ selection of a screen with a mesh suitable for halftone reproduction
- ◆ the production of an accurate stencil for fine line
- ◆ the production of an accurate stencil which must be free from moiré

National Unit specification: statement of standards (cont)

Unit title: Screen Printing: Monotone Fine Line and Halftone (SCQF 6)

Outcome 2 — Performance and product evidence

Product and performance evidence will be produced under supervised open-book conditions including:

- ◆ the safe and effective preparation of machinery for the printing procedure
- ◆ the selection of suitable ink for fine line and halftone work, which includes
- ◆ the production of five monotone fine line and five halftone screen process prints, which meet the requirements of the project brief

National Unit specification: support notes

Unit title: Screen Printing: Monotone Fine Line and Halftone (SCQF 6)

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 was written as an optional Unit of the National Certificate in Screen Printing at SCQF level 5. It can also be taken as a free-standing Unit.

In this Unit candidates will accurately prepare stencils suitable for monotone fine-line and halftone screen printing from supplied images. They will learn how to produce printed images by gaining an understanding of artwork recognition, fine detail and halftone reproduction by following the steps, which are involved in producing a good quality stencil ready for print.

The candidate will participate in the developmental fine detail screen printing process, which meets the identified requirements of their project summary. Candidates will also be involved in using screen printing equipment, use of trichromatic inks and correct application of ink on to substrate resulting in production of monotone and fine-line halftone prints.

If this Unit is being delivered as part of a programme of screen printing based Units, then it is recommended that centres consider an integrated delivery approach with other Units in the award. This Unit should prepare candidates for progression to HNC/D courses.

The purpose of the Unit is to develop the candidate's skills in stencil making and printing monotone fine-line and halftone images. The Unit should lead the candidate through the use of screen printing techniques resulting in final prints of required images. The tonal range of the supplied artwork should comply to the screen meshes within the workshop for detail definition. Traditional screen printing techniques will be used but there may be scope for experimental media and techniques, eg. coloured papers and different ink mixes. The candidate will produce five monotone fine-line and five monotone halftone prints, each set of prints of a single image. There could be opportunities for the candidate to take responsibility for carrying out relevant screen printing under non-directive supervision and therefore should observe all current health and safety legislation relating to the safe use of chemicals and materials at all times. The candidate must be made fully aware of health and safety requirements and must observe safe working practices at all times.

National Unit specification: support notes (cont)

Unit title: Screen Printing: Monotone Fine Line and Halftone (SCQF 6)

This Unit aligns to the following National Occupational Standards from Proskills:

- ◆ Comply to Health and Safety in the Workplace (021).
- ◆ Improve your performance at work (022)
- ◆ Ensure your own actions, reduce risks to Health and Safety in the Workplace (031)
- ◆ Improve individual and organisational performance (032)
- ◆ Contribute to maintaining equipment in working order (003)
- ◆ Prepare equipment and machines for screen printing (239)
- ◆ Operate screen printing machines (204)
- ◆ Control screen printing machines (231)
- ◆ Operate ink drying equipment (204)
- ◆ Prepare Inks (206)
- ◆ Prepare stencils for printing (219)
- ◆ Plan image layout for printing (102)
- ◆ Identify and organize the requirements for production (006)
- ◆ Control ink drying equipment (231)

Guidance on learning and teaching approaches for this Unit

This Unit is designed to enable candidates to further their screen-printing skills and knowledge by the study and application of fine line printing and halftone printing.

Reference materials, books, handouts, examples will be given to aid the candidate throughout this Unit.

The candidate could be given notes/explanation detailing the screen-printing process, equipment and materials, safety regulations and safe working practices of which, should be reinforced in class discussions and practical demonstrations by the teacher/ lecturer.

In the delivery of the Unit the teacher/ lecturer could show good examples of finished prints and demonstrate the techniques used in stencil making for fine line and halftone reproduction. Learning approaches should be activity based with the lecturer supervising the practical exercises relevant to the screen printing application within this area of specialism the candidates would show competency in the preparation of screens, basic registration techniques, avoidance of moiré, safe use of tools, equipment, inks and substrate in Outcomes 1 and 2. Working in small groups will feature in this Unit and is good for the candidates' confidence before attempting to work individually. In this Unit the candidate must adhere to all relevant current health and safety guidelines at all times.

National Unit specification: support notes (cont)

Unit title: Screen Printing: Monotone Fine Line and Halftone (SCQF 6)

Guidance on approaches to assessment for this Unit

Candidates should be aware of assessment criteria and instruments. Centres may use the instruments of assessment, which are considered to be the most appropriate. Continuous assessment may be used to assist candidates in their work.

Examples of Instruments of assessment that could be used:

Outcomes 1 and 2 — Practical exercise (observation checklist)

During the progression of this Unit, candidates will have several opportunities to develop their practical skills and should be assessed at appropriate points. Terminology should be presented in context throughout this Unit. While it is recognised that there will be correlations between items of evidence, the nature and purpose of different Outcomes should be recognised and promoted.

The evaluation of the completed project can be assessed using photographic or observation checklists this will include the candidates developmental process for accurate and concise work that meets the requirements of their project brief.

Although group work may be used as a learning and teaching approach, any work that contributes to a candidate's assessment evidence must be carried out on an individual basis to ensure authenticity.

Opportunities for the use of 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 candidate evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. Further advice is available in *SQA Guidelines on Online Assessment for Further Education (AA1641, March 2003)*, *SQA Guidelines on e-assessment for Schools (BD2625, June 2005)*.

Opportunities for developing Core Skills

Candidates may have opportunities to develop aspects of the Core Skills of:

- ◆ *Communication*: through teacher/lecturer led group discussions on an ongoing basis
- ◆ *Working with Others*: by working together in collective workshop activities
- ◆ *Problem Solving*: through participation in the creative process which demands critical thinking and planning for the development of ideas and concepts
- ◆ *Information and Communication Technology (ICT)*: if they use the internet for research purposes, reports or relevant software packs

National Unit specification: support notes (cont)

Unit title: Screen Printing: Monotone Fine Line and Halftone (SCQF 6)

Disabled candidates and/or those with additional support needs

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering whether any reasonable adjustments may be required. Further advice can be found on our website www.sqa.org.uk/assessmentarrangements

History of changes to Unit

Version	Description of change	Date

© Scottish Qualifications Authority 2011

This publication may be reproduced in whole or in part for educational purposes provided that no profit is derived from reproduction and that, if reproduced in part, the source is acknowledged.

Additional copies of this Unit specification can be purchased from the Scottish Qualifications Authority. Please contact the Business Development and Customer Support team, telephone 0303 333 0330.