

National Unit Specification: general information

UNIT Design in Action (Intermediate 2)

NUMBER D9GE 11

COURSE

SUMMARY

This unit is designed to enable candidates to realise a design solution. From a previously developed concept either from a previous project or Design in Realisation 2, candidates will be given the opportunity to apply their design in a realisable way. The unit gives the opportunity to develop appropriate techniques in the realisation of a solution in relation to the individuals chosen design specialism. It also engages the candidates in presentation and evaluation of the solution in relation meeting the requirements of the design brief.

OUTCOMES

- 1 Identify requirements necessary to produce a design solution.
- 2 Produce a final design solution.
- 3 Consider the final solution in terms of viability and target market.
- 4 Present and evaluate the design solution.

RECOMMENDED ENTRY

Access is at the discretion of the centre.

CREDIT VALUE

1 Credit at Intermediate 2 (6 SCOTCAT points*) at SCQF level 5.

**SCOTCAT 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 SCOTCAT points at an SCQF level. There are 12 SCQF levels, ranging from Access 1 to Doctorates.*

Administrative Information

Superclass: VF

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National Unit Specification: general information (cont)

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CORE SKILLS

Information on the automatic certification of any core skills in this unit is published in *Automatic Certification of Core Skills in National Qualifications* (SQA, publication code BA0906).

National Unit Specification: statement of standards

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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

Identify requirements necessary to produce a design solution.

Performance criteria

- a) Materials are identified.
- b) Timescales are established
- c) Samples are produced.
- d) Prototypes are produced.

Evidence requirements

1 x A2 sheet or equivalent, showing samples.
Time plan.
Prototype/model/mock-up.

OUTCOME 2

Produce a final design solution.

Performance criteria

- a) Materials are prepared appropriately.
- b) The method of assembly/execution is carried out appropriately.
- c) Attention to detail is evident.
- d) The level of finish is appropriate to the brief.

Evidence requirements

Final solution is produced appropriate to the initial chosen discreet area of design. Production of final solution is achievable in terms of identified timescales.

OUTCOME 3

Consider the final solution in terms of viability and target market.

Performance criteria

- a) Comment on production methods/process.
- b) Comment on suitability of materials.
- c) Identify target market.
- d) Comment on perceived market potential of solution.

National Unit Specification: statement of standards (cont)

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Evidence requirements

Written/annotated evidence of 150/200 words presented in any preferred format.

OUTCOME 4

Present and evaluate the design solution.

Performance criteria

- a) Prepare final design for presentation to a client.
- b) Evaluate design solution in relation to problem set by the brief.
- c) Comment on any further improvements/modifications.

Evidence requirements

Visual presentation is accompanied by supporting written evidence, minimum of 150/200 words, which demonstrates an appreciation of the design solution in relation to the brief.

National Unit Specification: support notes

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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

Outcome 1

PC(a), (c)

Materials are identified and samples produced that demonstrate the candidate has considered the implications of production of the final design.

PC(b)

Timescales are identified, in terms of production of the final design and are annotated by means of either a written time plan, a diary, time line etc.

PC(d)

Appropriate prototypes/mock ups are produced either by digital means, macquette, visuals, models etc.

Outcome 2

PC(a)

The full range of identified materials is carefully considered in terms of their use in the production of the final design.

PCs (b), (c), (d)

The candidate should identify that the process of assembly is appropriate to the materials identified, ie with graphic design – is the chosen stock suitable for printing on, or assembly of packaging? What joining methods should be used in the make up of a piece of jewellery? Is the medium identified suitable for the production of a finished visual?

Experimentation with combinations of techniques or materials should be encouraged. Emphasis should be made with regard to the relevance of materials in relation to the manufacturing/production process. However, the scale of the project must be considered in relation to the time available and the design specialism ie it may not be appropriate to construct a complete garment but a detail of the overall design instead, providing the complete design is demonstrated in a visual form. Candidates should be encouraged to develop practical skills in line with attention to detail ie decorative stitching on a garment; construction detailing within an interior or piece of furniture; print finishing in a piece of graphic design, etc.

Outcome 3

PCs (a), (b), (c)

By presenting their final design, the candidate should consider production costings and possible materials. The target market should come into these considerations as should the marketing potential for the solution. Evaluations of suitability, reliability against costings should be made.

Outcome 4

PC (a)

When presenting their final design, the candidate should demonstrate they have considered that it is the most appropriate method relevant to their design area.

National Unit Specification: support notes (cont)

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PC (b)

The candidate should demonstrate the ability to reflect on and analyse the whole design process from selecting their chosen area of design, consideration of possibilities within the design, realisation of the design, fitness for purpose, market potential and method of presentation.

PC (c)

The candidate should demonstrate the potential for development within their final design. This should include design modifications and/or development into a collection or range.

GUIDANCE ON LEARNING AND TEACHING APPROACHES FOR THIS UNIT

The tutor should encourage the candidate to carry out a relevant and substantial body of initial research that will allow for a range of possible design concepts which can be developed. Enquiry should be encouraged through the recording of visual information with supporting written annotation. Where possible the use of workbooks or sketchbooks should be encouraged to record written and sketch proposal information, along with developmental drawings. However A2 sheets may be more appropriate and should be considered. By producing maquettes, mock ups or samples of their developmental designs, the candidate will investigate the use and properties of materials.

Where possible, tutors should show the candidate examples of finished design work and encourage discussion as to the materials used; fitness for purpose; target market and so forth.

GUIDANCE ON APPROACHES TO ASSESSMENT FOR THIS UNIT

Outcome 1

PCs (a), (c), (d)

Practical exercise to produce prototypes, maquettes or mock ups, using a variety of media.
1 x A2 sheet showing samples.

PC (b)

A time plan is produced.

Outcome 2

PCs (a), (b), (c), (d)

Practical exercise to produce final design solution, either 2 or 3 dimensional.

Outcome 3

PC (a)

Visual presentation of final design proposal.

PCs (b), (c)

Written response which identifies relevance of solution to the original brief and understanding of market, minimum 150/200 words.

Outcome 4

PC (a)

Practical presentation exercise to demonstrate final design solution in either 2 or 3 dimensions.

PC (b)

Written presentation which shows a clear reflective evaluation covering all areas of the design process
150/200 words.

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PC (c)

Practical exercise that identifies further potential for development.

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 Arrangements* (SQA, publication code AA0645).