

National Unit Specification: general information

UNIT Design in Action (Higher)

NUMBER D9GE 12

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 3 the candidates will be given the scope to apply their design in a realisable way. The unit allows flexibility in identifying and fully exploring techniques in the realisation of a solution in relation to the individuals chosen design specialism. It also engages the candidates in critical evaluation of the solution in relation to the design brief, fitness for purpose and market potential.

OUTCOMES

- 1 Identify requirements necessary to produce a design solution.
- 2 Produce a final design solution.
- 3 Explore the solution in terms of fitness for purpose and market potential.
- 4 Present and evaluate the design solution.

RECOMMENDED ENTRY

Access is at the discretion of the centre.

CREDIT VALUE

1 Credit at Higher (6 SCOTCAT points*) at SCQF level 6.

**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)

UNIT Design in Action (Higher)

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

UNIT Design in Action (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

Identify requirements necessary to produce a design solution.

Performance criteria

- a) Produce a plan of execution for final design.
- b) Materials are identified.
- c) Timescales are established.
- d) Samples are produced.
- e) Mock ups are produced.
- f) Evaluation of samples/mock ups produced is clear.

Evidence requirements

1 x A2 or equivalent sheet showing:
Written time plan
Materials are appropriate to chosen area.
Timescales are realistic.
Samples and prototypes.
Evaluation of samples and mock ups.

OUTCOME 2

Produce a final design solution.

Performance criteria

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

Evidence requirements

The finished solution is produced and relates to chosen discrete area of design. The scope of the final solution is appropriate to the area of design.

National Unit Specification: statement of standards (cont)

UNIT Design in Action (Higher)

OUTCOME 3

Explore the solution in terms of fitness for purpose and market potential.

Performance criteria

- a) Discuss production methods/processes and possible costings.
- b) Comment on preferred choice of media and materials with due regard to reliability and cost.
- c) Identify an appropriate and target market.
- d) Estimate marketing potential success of solution.

Evidence requirements

Written/annotated evidence of 200/250 words in any preferred format.

OUTCOME 4

Present and evaluate the design solution.

Performance criteria

- a) Prepare and appropriately present final design to client.
- b) Evaluate design solution in relation to success in meeting demands of the brief.
- c) Review further improvements/modifications that could be introduced to solution.

Evidence requirements

Visual and oral presentation is accompanied by supporting written evidence, minimum of 200/250 words.

Evaluation covers all area of the design process.

National Unit Specification: support notes

UNIT Design in Action (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

Outcome 1

PC(a)

Written plan.

PC(c)

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.

PCs(b) and (d)

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

PC(e)

Appropriate mock-ups are produced either by digital means, macquette, visuals, toile, model, etc.

PC(f)

Evaluation of samples/mock ups produced is clearly presented as written/oral evidence.

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 of relevance of materials in relation to the manufacturing/production process. The scope of the final project should take into consideration the design specialism and should be balanced between sampling/mock up and final solution eg. interior design: model, finishes, drawings, fashion design: toile, finishes, illustration/drawings. 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.

National Unit Specification: support notes (cont)

UNIT Design in Action (Higher)

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.

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 to 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. By producing maquettes or samples of their developmental designs, the candidate will investigate the use and properties of materials.

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

The unit's activities could be centered on a set of assignments set by the tutor. However the candidate should be encouraged to show evidence that they have played a directive part in determining the design concepts which lead to a solution of the brief.

GUIDANCE ON APPROACHES TO ASSESSMENT FOR THIS UNIT

Outcome 1

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

Practical exercise to produce prototypes, maquettes or samples, using a variety of media.

PC(c)

A time plan is devised.

Outcome 2

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

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

Outcome 3

PC(a)

Written and/or oral presentation which accompanies visual evidence of final design proposal.

PCs(b) and (c)

Written response which identifies relevance of solution to the original brief and understanding of the market, 200-250 words.

National Unit Specification: support notes (cont)

UNIT Design in Action (Higher)

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.

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).