

Higher National Unit Specification

General information for centres

Unit title: Interior Design: Construction and Details

Unit code: DX0C 34

Unit purpose: The purpose of this Unit is to enable candidates to develop a broad understanding of the underlying principles behind building and interior construction methods. The candidate will be introduced to a variety of construction techniques and their applications. The candidate will analyse and evaluate examples of detailed design, leading to the compilation of a logbook of case studies, the contents of which will be used as a source of inspiration and information. Ultimately the candidate will be able to develop and produce detailed design drawings, using the knowledge and skills gained.

The Unit is suitable for candidates with limited or no prior knowledge of construction. The unit is introductory, and it is anticipated that continuous development/more detailed course of study, research and practical application of knowledge should follow. The Unit is not intended to provide specialist expertise or an expert level of knowledge.

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

- 1 Analyse and evaluate the principles behind building and interior construction methods.
- 2 Develop an understanding of detailed design and construction through observation, analysis and evaluation.
- 3 Produce detailed design drawings in response to a given brief.

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:

Core Skills: There are opportunities to develop the Core Skills of Problem Solving, Numeracy and Information Technology at SCQF level 6 in this Unit, 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.

General information for centres (cont)

Assessment: Assessment of Outcome 1 is likely to be distinct from the assessment of Outcomes 2 and 3 — however the knowledge and skills gained through completion of this Outcome should be seen to feed directly into Outcomes 2 and 3.

Outcomes 2 and 3 could be assessed as separate submissions, or alternatively Outcome 2 could form the basis of the research for design development and detailed design drawings required in Outcome 3 promoting holistic assessment.

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

Analyse and evaluate the principles behind building and interior construction methods

Knowledge and/or skills

- ◆ Fundamental structural principles
- ◆ Performance requirements of building elements
- ◆ Construction materials — properties and application
- ◆ Research skills
- ◆ 2D and 3D visualisation skills

Evidence Requirements

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

- ◆ Accurately identify a variety of building and interior construction methods and associated components, materials and finishes.
- ◆ Analyse and evaluate the principles underpinning a variety of building and interior construction methods.

Evidence should be generated in the form of an illustrated report containing no less than 500 words, or oral/written response to specific questions or equivalent. All written assessments must be illustrated with photographs/images/sketches where appropriate and clearly annotated.

Work produced outwith controlled conditions must be subject to authentication by the tutor.

Assessment guidelines

Assessment of this Outcome is likely to be distinct from the assessment of Outcomes 2 and 3. However, knowledge gained through completion of this Outcome should feed directly into Outcomes 2 and 3. An approximate time of 10 minutes would be appropriate for oral presentations.

Higher National Unit specification: statement of standards (cont)

Unit title: Interior Design: Construction and Details

Outcome 2

Develop an understanding of detailed design and construction through observation, visual analysis and evaluation

Knowledge and/or skills

- ◆ Fundamental structural principles
- ◆ Materials and finishes — properties and application
- ◆ Design - aesthetics and function
- ◆ Research skills
- ◆ Observational skills
- ◆ Visualisation skills
- ◆ Freehand drawing skills

Evidence Requirements

Candidates must identify, analyse and evaluate examples of detailed design in the form of case study to demonstrate their knowledge and/or skills by showing that they can:

- ◆ Produce a logbook, incorporating a detailed design case study. The logbook must contain annotated images/photographs/2D and 3D freehand and/or technical drawings.

Work produced outwith controlled conditions must be subject to authentication by the tutor.

Assessment guidelines

The assessment of this Outcome can be combined holistically with Outcome 3. Alternatively, this Outcome could be individually assessed.

Outcome 3

Produce detailed design drawings in response to a given brief

Knowledge and/or skills

- ◆ Fundamental structural principles
- ◆ Materials and finishes
- ◆ Creative problem solving
- ◆ 2D and 3D visualisation skills
- ◆ Relationship between design aesthetics and function
- ◆ Design development skills and relevant application of the design process
- ◆ Freehand and technical drawing

Higher National Unit specification: statement of standards (cont)

Unit title: Interior Design: Construction and Details

Evidence Requirements

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

- ◆ Produce a design solution in response to a given brief.
- ◆ Specify structure, materials and finishes to a given design brief.
- ◆ Illustrate critical design details with regard to structure, aesthetics and function.

Evidence should be generated in the form of sketchbook submission containing clear design development and selected research material. Candidates must also produce detailed annotated design drawings. An additional two A3 drawings (or equivalent) will illustrate the final design solution.

Work produced outwith controlled conditions must be subject to authentication by the tutor.

Assessment guidelines

The assessment of this Outcome can be combined with the case study carried out in Outcome 2. Alternatively, this Outcome could be individually assessed.

Given design briefs should be produced to allow flexibility of subject choice and scope but encourage candidates to work within realistic deadlines and time constraints. The range of subject choice should be influenced by whether the opportunity of holistic assessment is being used with other Units within the Group Award.

Administrative Information

Unit code: DX0C 34

Unit title: Interior Design: Construction and Details

Superclass category: TJ

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Version	Description of change	Date

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Higher National Unit specification: support notes

Unit title: Interior Design: Construction and Details

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

The Unit is designed for candidates with limited or no prior knowledge of construction. It should be recognised that building construction is a vast subject and candidates embarking on the study of interior design must ultimately develop sound knowledge and skills in this area by:

- ◆ providing a broad understanding of building and construction methods
- ◆ raising the candidate's awareness and interest in the design, construction and detailing of interior elements
- ◆ informing the candidate with regard to detailed design possibilities both aesthetically and functionally
- ◆ reinforcing the concept that good design is very much related to good construction detailing

The Unit is not intended to provide specialist expertise at this stage.

With regard to context:

- ◆ it is important that the candidate fully understands the relationship between design and construction — ie construction is facilitated by the production of detailed design drawings
- ◆ the candidate should begin to understand the role of the interior designer within the realm of industry — ie the stages of the design process from inception to completion and the importance of construction knowledge and detailed design skills with regard to a live project
- ◆ the Unit could be clearly linked with appropriate design based units within the framework

The candidate's learning experience would be greatly enhanced if the following Units within the framework were delivered prior to or along with this Unit:

- ◆ Drawing for 3D Design
- ◆ Interior Design: Materials, Finishes and Products
- ◆ 3D Design Drawing Skills

The following Units within the framework could successfully link with the contents of this unit to enhance the learning experience and reinforce the application of knowledge and skills gained through completion of the Unit:

- ◆ Interior Design: Design Development 1
- ◆ Interior Design: Final Proposals

Higher National Unit specification: support notes (cont)

Unit title: Interior Design: Construction and Details

It is likely that the following additional/Core skills, although not formally assessed, will be developed through completion of this Unit:

- ◆ team working
- ◆ 3D model making

Guidance on the delivery and assessment of this Unit

Appropriate Units within the framework with a design, drawing or technical focus could successfully link with the contents of this Unit to enhance the learning experience and to reinforce the application of knowledge and skills gained through completion of the Unit.

Outcome 1

Delivery:

Candidates will have limited or no knowledge of construction, therefore, the delivery should be informative — lecture/seminar based. The specific subject matter and areas covered would be at the discretion of the subject tutor, however, as noted in previous section, should focus on providing a broad understanding of building construction rather than an expert level of knowledge. External site visits would be appropriate. Practical group / team tasks may also be set, to be carried out within class time encouraging active discussion and team work.

Assessment:

The report and related illustrative material should be assessed to ensure compliance with evidence requirements for this Outcome. Most importantly, candidates must be able to demonstrate the ability to analyse and evaluate the subject.

Group tasks may form part of the assessment strategy — with individual participation recorded in a checklist.

Outcome 2

Delivery:

Case studies/examples of detailed design could be selected by either tutor or candidate. It is likely that the focus would be on interior detailing and in some cases may relate specifically to linked Interior Design Units and projects. It may be appropriate for the tutor to prepare and present sample case studies. External visits would be appropriate, raising awareness of detailed design elements which surround us on a daily basis.

Tutoring may be carried out on a one to one and/or small group basis within the studio — where individual case studies can be discussed, analysed and evaluated.

Assessment:

Tutors should ensure that the logbook submission is not merely a ‘scrapbook’ of images and drawings with no cohesive pattern of annotated analysis and evaluation. It is likely that tutors would also be required to monitor progress of these logbooks during class time. If assessing holistically with Outcome 3 the given design brief topic should be used to drive candidates’ research investigation.

Higher National Unit specification: support notes (cont)

Unit title: Interior Design: Construction and Details

Outcome 3

Delivery:

Briefing for this Outcome may be delivered by way of a Power Point presentation, which may be an extension to or integrated with current Interior Design projects, identifying given design brief requirements. Tutoring may be carried out on a one to one and/or small group basis within the studio, where individual detailed design projects can be discussed and developed at the drawing board. Candidates may be introduced to a variety of detailed design development sketches and finished drawings exemplars.

Assessment:

Sketchbook development and two A3 (or equivalent) presentation drawings.

Compliance with evidence requirements could be recorded in the form of a checklist.

Opportunities for developing Core Skills

Candidates will be expected as they undertake the Unit to analyse and seek creative solutions to a range of theoretical and practical problems or issues relevant to a specific brief. They have to identify and consider all components of the task, including aesthetics, materials and finishes whilst taking into account function and fundamental structural principles. Analysing the significance of all elements as they identify an appropriate approach to a design solution will provide many opportunities to develop problem solving skills to an advanced level. Evaluation of all aspects of proposed design solutions and their potential and actual impact would be on-going, with assessor guidance as appropriate.

Accuracy in interpreting numerical and graphic information and the ability to calculate, apply and present complex data in the form of detailed design drawings is integral to competence. Candidates could be provided with formative opportunities to enhance skills in the interpretation of numerical, statistical and graphic data in practical contexts. Calculations and effective presentation of data could be supported and enhanced by the use of appropriate technology and relevant software. The emphasis of formative work should be on Numeracy as a tool to be used and applied efficiently and critically in design solutions. Formative opportunities to create produce detailed annotated design drawings from different types of data with appropriate models of presentation styles may be useful and support both the interpretation and application of graphical concepts and sustained complex calculations.

Open learning

This Unit would be suited to open, distance and online learning if it was conducted to ensure the authenticity of the candidate's work. For example, research into materials and construction methods carried out using the internet and library resources could be supplemented with video conferencing or audio presentations delivered to the main class groups.

Higher National Unit specification: support notes (cont)

Unit title: Interior Design: Construction and Details

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. For information on these, please refer to the SQA document *Guidance on Alternative Assessment Arrangements for Candidates with Disabilities and/or Additional Support Needs*, which is available on SQA's website: **www.sqa.org.uk**.

General information for candidates

Unit title: Interior Design: Construction and Details

As an Interior Designer it is vital that you develop the knowledge and skills required to enable your projects to be realised. The design process should be continually applied from concept to completion (ie construction) within the realm of industry. The purpose of this Unit is to introduce you to the underlying principles behind building and interior construction methods and develop your skills in detailed design. The Unit concentrates on three elements, which are interconnected. The skills and the knowledge gained at each stage should be transferred appropriately.

- ◆ You will study a variety of recognised construction techniques, associated components, materials and finishes, enabling you to identify these and understand the principles behind their application.
- ◆ You will analyse and evaluate examples of detailed design, leading to the compilation of a logbook of a case study, the contents of which will be used as a source of inspiration and information.
- ◆ Ultimately you will be able to develop and produce a sketchbook and two A3 (or equivalent) detailed design drawings in response to a given brief.

You will be encouraged to develop your observational skills, research skills and 3D visualisation skills throughout this Unit and you will use a variety of drawing and model making techniques to illustrate your thoughts and ideas. You will work independently and as part of a group, where you will be expected to participate in discussion, debate and problem solving.

Although the Unit may be delivered independently, it may be integrated with a project being carried out as part of an Interior Design Unit, which could provide a design brief and direction for case studies. In order to complete this Unit you will be required to achieve a satisfactory level of performance in all the Outcomes.

It is expected that you will have limited or no prior knowledge of construction.