



Higher National Unit specification

General information for centres

Unit title: Interior Design Studies: Building Regulations

Unit code: F2T8 34

Unit purpose: This Unit has been designed to introduce candidates to the regulatory requirements necessary to design safe access to, articulation within, and egress from buildings. It is intended for candidates following interior design courses and will enable them to incorporate these requirements into their design of interior spaces.

On completion of this Unit the candidate should:

- 1 Develop access and movement routes within the planning of an interior space.
- 2 Develop an escape strategy for an interior space within a building.

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: Access to this Unit will be at the discretion of the centre. However, it would be beneficial if candidates had completed the HNC/first year of the HND 3D Design Course or equivalent.

Core Skills: There are opportunities to develop the Core Skills of Problem Solving, Information Technology and Numeracy 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.

Assessment: This Unit could be assessed by a single holistic assessment that requires candidates to produce technical drawings in response to a case/design study. It would also be possible to assess each Outcome separately.

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.

Outcome 1

Develop access and movement routes for the disabled within an interior space

Knowledge and/or Skills

- ◆ Problem solving
- ◆ Technical drawing
- ◆ Current legislation:
 - Building regulations
 - Disability legislation
- ◆ Numeracy

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can develop access and movement routes within an interior space, by producing a technical drawing to scale using current drawing conventions and annotations. The drawing must indicate how the requirements for the disabled, as stipulated within the current disability legislation and building regulations, are met within the design of the interior. The technical drawings should include reference to:

- ◆ ramp design
- ◆ access (doorways) to all levels
- ◆ interior layout (movement routes, lifts)
- ◆ position of refuge areas

Assessment Guidelines

The assessment of this Outcome can be combined with Outcome 2 to provide a holistic design strategy for a building.

The technical drawing/s may be produced electronically or by using traditional hand drawing techniques.

The assessment of this Outcome may be integrated with an Interior Design Project, eg Interior Design: Finished Project (F0MH 35).

Higher National Unit specification: statement of standards (cont)

Unit title: Interior Design Studies: Building Regulations

Outcome 2

Develop an escape route strategy for an interior space within a building

Knowledge and/or Skills

- ◆ Escape routes
- ◆ Current legislation
 - Building regulations
 - Disability legislation
- ◆ Technical drawing
- ◆ Numeracy

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by developing an escape route strategy for an interior space within a building. The evidence should be presented as a technical drawing(s) to scale using current drawing conventions and annotations. The drawing should indicate how the requirements for safe means of escape are met within the stipulations of the current Building Regulations. The design drawing submission should make reference to:

- ◆ three zone criteria for escape
- ◆ occupant capacity calculation
- ◆ minimum number of escape route selection
- ◆ width of escape route calculation
- ◆ width of escape stair calculation

Assessment Guidelines

The assessment of this Outcome can be combined with Outcome 1 to provide a holistic design strategy for a building.

The technical drawing/s may be produced electronically or by using traditional hand drawing techniques.

The assessment of this Outcome may be integrated with an Interior Design Project, eg Interior Design: Finished Project (F0MH 35).

Administrative Information

Unit code: F2T8 34

Unit title: Interior Design Studies: Building Regulations

Superclass category: TD

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Version	Description of change	Date

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Higher 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

This Unit is primarily intended for candidates studying Interior Design. It will give them the essential knowledge of current building regulations and how to apply them in their design of interior spaces.

Building regulations encompass many aspects of the design and construction industries' activities. This Unit will focus on the building regulations and Disability Discrimination Act (DDA) legislation that applies to access to, articulation within, and egress from buildings.

As candidates develop their planning skills in the design of interior spaces and circulation routes through buildings consideration has to be made of disabled users requirements, fire escape routes and exits. Statutory regulations apply to all new buildings and are applicable to the conversion of certain buildings.

Centres should ensure that current DDA legislation, Scottish Building Standards (non-domestic), and any other relevant statutory regulations are used in the delivery of this Unit.

Guidance on the delivery and assessment of this Unit

This Unit is likely to form part of a Group Award designed to provide candidates with the technical and regulatory information necessary to design a safe access and egress strategy for a building. It is a core Unit within the HND 3D Design Group Award framework.

Delivery of the Unit could be made in two distinct ways. Formal lectures and tutorials could be used to outline to candidates the key facts and consideration of the application of specific aspects of the Building Regulations. A Virtual Learning Environment (VLE) could be utilised to support formal delivery. Methods of accessing the current Building Regulations should be explained. Candidates could apply this knowledge and information in a practical way to an interior design planning exercise. It would contextualise learning if candidates applied this to an individual interior design project.

An integrated approach to delivery and assessment could be adopted. It would be possible to assess both Outcomes from a technical drawing or drawings.

In the production of technical drawing(s) all current conventions and current statutory requirements should be adhered to. It would be useful for the tutor to provide examples of professional technical drawings which illustrate all the necessary elements within interior design schemes eg ramps, position of refuge areas.

Higher National Unit specification: support notes (cont)

Unit title: Interior Design Studies: Building Regulations

Outcome 1

The topic of access and articulation through buildings may be introduced through lectures and tutorials. The needs of all groups including those with disabilities should be covered. Candidates should, at the end of the lecture/tutorial section, execute a scaled technical drawing incorporating the regulatory requirements, for example ramp design door widths, corridor widths stairs/lifts and refuge areas with appropriate annotation. Candidates could select their own design/building for this exercise.

Outcome 2

Means of escape requirements for buildings could be introduced through lectures and tutorials. Candidates should, at the end of the lecture/tutorial sessions, prepare a scaled technical drawing incorporating the regulatory requirements, for example the occupant capacity number should be calculated, minimum number of exits selected, width of escape routes (corridor/stairs) should be calculated, three zone criteria indicated and travel distances checked. For simplification the same set of drawings should be issued to all candidates.

Opportunities for developing Core Skills

All elements of the Core Skill of Problem Solving will naturally be developed and enhanced in this Unit, as it requires an application of theoretical knowledge to a complex practical design task. Identifying and examining the relevance of all factors, including legislation and regulatory requirements, in all stages of planning and construction will be integral to achievement. Considering fully available resources and required access services whilst maximising efficiency and effectiveness will additionally involve a high level of creative and strategic thinking. Although candidates should be independently able to identify, construct and present effective design solutions, group and individual discussions with the assessor would offer opportunities to reinforce analytical evaluation and facilitate ongoing review and modification as appropriate.

There are many opportunities to develop the Core Skill of Numeracy. Accuracy in interpreting complex numerical and graphic information and the ability to calculate, apply and present complex data underpins the competencies developed in the Unit. Candidates should have formative opportunities to enhance skills in the interpretation of numerical, statistical and graphic data in practical contexts. The emphasis of such preparatory work should be on Numeracy as a tool to be used and applied efficiently and critically in construction design solutions. The use of current case studies and exemplar materials would enhance skills development.

IT could be used in the calculation and effective presentation of written and graphical data. These elements could be supported and enhanced by demonstrations in the use of appropriate technology. Access to current industry software would allow candidates to apply relevant skills to a professional standard.

Open learning

This Unit may be delivered by open/distance learning. Candidates could access source information and complete assessments electronically. It would be necessary for candidates to be given a secure user account to which they could send their responses. Centres would have to ensure the sufficiency and authenticity of candidate evidence.

Higher National Unit specification: support notes (cont)

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For further information and advice, please refer to the SQA guide *Assessment and Quality Assurance for Open and Distance Learning* (www.sqa.org.uk).

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. Further advice can be found in the SQA document *Guidance on Assessment Arrangements for Candidates with Disabilities and/or Additional Support Needs* (www.sqa.org.uk).

General information for candidates

Unit title: Interior Design Studies: Building Regulations

This Unit is designed to introduce you to the regulatory requirements necessary to design safe access to and egress from buildings. This is a key requirement of the interior designer and it is necessary to apply current Building Regulations to designs which will go to construction stage. You may be asked to apply this information to an Interior Design project.

Reference will be made to current disability legislation and Scottish Building Standards.

In **Outcome 1**, through lectures and tutorials, you will be introduced to the statutory requirements which you must take into consideration when designing safe access to and articulation in buildings. The assessment will require you to provide scaled technical drawing(s), which incorporate the regulatory requirements for the disabled, for an interior space.

Outcome 2 looks at the escape strategies for interior spaces within buildings. The assessment requires you to provide scaled technical drawings incorporating the escape requirements for a building. You will calculate the occupant capacity, width of escape corridors/stairs, etc. You will decide on the minimum number of exits and ensure the three zone criteria for escape are correct.

In the production of technical drawing(s) you must use standard drawing conventions and ensure current statutory requirements are adhered to.