

## Higher National Unit Specification

### General information for centres

**Unit title:** Model Making: Client Commission

**Unit code:** F0MW 35

**Unit purpose:** This Unit is designed to enable candidates to select and develop a real or simulated commission for a model. It will enable the candidate to evaluate the processes, planning and implementation in the construction of a commissioned model.

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

- 1 Develop a brief for a commission.
- 2 Research material.
- 3 Produce and present a production plan.
- 4 Produce a model.
- 5 Present a finished model.
- 6 Evaluate the development process and the finished model.

**Credit points and level:** 2 HN Credits at SCQF level 8: (16 SCQF credit points at SCQF level 8\*)

*\*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 is at the discretion of the centre. However, it is recommended that candidates have an understanding of model making materials, processes and terminology. This could be demonstrated by the possession of HN Units in Model Making or similar qualification or experience.

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

**Assessment:** Outcome 1 is assessed by the production of a written brief. This can be supplemented with responses to oral or written questions or equivalent.

The assessment for Outcomes 2 and 3 may be combined. Outcome 2 is assessed by a research project and Outcome 3 is assessed by a production plan.

Outcome 4 is assessed by a practical assignment.

Outcome 5 is assessed by a presentation.

Outcome 6 is assessed by an evaluation of the finished model.

The assessment of Outcomes 4, 5 and 6 may be combined.

## **Higher National Unit specification: statement of standards**

**Unit title:** Model Making: Client Commission

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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**

Develop a brief for a commission

#### **Knowledge and/or skills**

- ◆ Interpretation
- ◆ Client's requirements
- ◆ Scale
- ◆ Style and form
- ◆ Project constraints
- ◆ Timescales

#### **Evidence Requirements**

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

- ◆ clearly defines the subject of the given brief
- ◆ uses a suitable scale within the context of the brief
- ◆ determines the style and form within the context of the brief
- ◆ outlines timescales for the completion of the project

#### **Assessment guidelines**

The given design brief for Outcome 1 could also indicate the assessment evidence required and methods presentation for Outcomes 2 and 3. This would allow for holistic assessment for these Outcomes.

## **Higher National Unit specification: statement of standards (cont)**

**Unit title:** Model Making: Client Commission

### **Outcome 2**

Research and present material

#### **Knowledge and/or skills**

- ◆ Sources of information
- ◆ Visual development of ideas and concepts
- ◆ Client visuals
- ◆ Critical reflection

#### **Evidence Requirements**

Candidates will need to provide evidence to demonstrate their knowledge and/or skills by showing that they can, with reference to a given brief:

- ◆ provide visual evidence in either 2D or 3D form or multimedia format
- ◆ collate a variety of source information relevant to the given brief
- ◆ develop ideas and concepts
- ◆ present client visuals
- ◆ critically analyse and select material for development

A minimum of 2 x A3 presentation boards of images or equivalent should be presented. This should be supported by an annotated sketchbook that shows evidence of selection and critical analysis of concepts.

#### **Assessment guidelines**

It is recommended that this Outcome is assessed with Outcomes 1 and 3.

### **Outcome 3**

Produce and present a production plan

#### **Knowledge and/or skills**

- ◆ Communication/presentation skills
- ◆ Design constraints
- ◆ Scaling
- ◆ Interpretation of drawings
- ◆ Project planning
- ◆ Timescales

## **Higher National Unit specification: statement of standards (cont)**

**Unit title:** Model Making: Client Commission

### **Evidence Requirements**

Candidates will need to provide evidence to demonstrate their knowledge and/or skills by showing that they can, with reference to the given brief, produce and present a production plan that clearly outlines:

- ◆ implications of cost
- ◆ sources of materials
- ◆ transfer of retrieved information to scaled information
- ◆ interpretation of drawings
- ◆ correct scaling
- ◆ methods of intended construction
- ◆ timescales

Presentation of the production plan should be in either a written or oral format.

### **Assessment guidelines**

It is recommended that this Outcome is assessed with Outcomes 1 and 2.

An observation checklist may be used for oral presentations to ensure the candidate has addressed all the Evidence Requirements.

## **Outcome 4**

Produce a model

### **Knowledge and/or skills**

- ◆ Construction
- ◆ Rendering
- ◆ Assembly
- ◆ Detailing
- ◆ Health and Safety

### **Evidence Requirements**

Candidates will need to provide evidence to demonstrate their knowledge and skills by producing a model in accordance with the given brief and production plan, showing that they can:

- ◆ carry out model construction
- ◆ apply colour, tone and texture
- ◆ co-ordinate assembly of components
- ◆ implement detailing
- ◆ demonstrate safe and appropriate use of materials and equipment
- ◆ work to a given timescale

The evidence will be presented as part of a studio/workshop-based project.

## **Higher National Unit specification: statement of standards (cont)**

**Unit title:** Model Making: Client Commission

### **Assessment guidelines**

The assessment for this Outcome is product based and will be underpinned by previous assessment evidence. The assessment of this Outcome may be combined with Outcomes 5 and 6.

An observation checklist may be used to ensure the candidate has addressed all the Evidence Requirements.

Candidates should observe all current Health and Safety requirements when producing the finished model.

### **Outcome 5**

Present a finished model

#### **Knowledge and/or skills**

- ◆ Support media
- ◆ Work environment
- ◆ Client presentation

#### **Evidence Requirements**

Candidates will need to provide evidence to demonstrate their knowledge and/or skills by presenting the completed model to the client, showing that they can:

- ◆ include supporting media in the presentation
- ◆ clear the working environment
- ◆ clearly communicate their intentions to the client

#### **Assessment guidelines**

Candidates' presentations could include question and answer sessions with tutor/client. The assessment of this Outcome may be integrated with Outcomes 4 and 6. An observation checklist could be used to record practical aspects of the presentation.

### **Outcome 6**

Evaluate the development process and the finished model

#### **Knowledge and/or skills**

- ◆ Design process
- ◆ Design constraints
- ◆ Critical evaluation

## **Higher National Unit specification: statement of standards (cont)**

**Unit title:** Model Making: Client Commission

### **Evidence Requirements**

Candidates will need to provide evidence to demonstrate their knowledge and skills by showing that they can, in the producing an evaluating the development process and finished model, showing that they can:

- ◆ consider the effectiveness of the finished model in relation to the given brief
- ◆ evaluate the effectiveness and use of materials
- ◆ evaluate the effectiveness of the planning processes
- ◆ evaluate the effectiveness of time management

Evaluation should be in either a written or oral format.

### **Assessment guidelines**

The assessment for this Outcome will be underpinned by previous assessment evidence from the earlier Outcomes.

The assessment for this Outcome may be integrated with Outcomes 4 and 5. An evaluation of the process and finished product should allow the candidate to reflect on industry/sector working practice, determining the effectiveness of the finished solution.

## Administrative Information

**Unit code:** F0MW 35

**Unit title:** Model Making: Client Commission

**Superclass category:** VF

**Original date of publication:** August 2007

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### History of Changes:

Version	Description of change	Date

**Source:** SQA

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## **Higher National Unit specification: support notes**

### **Unit title: Model Making: Client Commission**

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 80 hours.

### **Guidance on the content and context for this Unit**

This Unit will provide an opportunity for candidates to develop, plan, produce and evaluate a project in a simulated or live client environment. This Unit should reflect the level of professionalism that is required in industry. Candidates could use this Unit as an opportunity to make contact with future clients or as a major project for their portfolios. The onus should be on the candidates to select a suitable project/client. Skills and knowledge developed in previous Units will be fundamental in the candidate's ability to plan and implement a brief.

This Unit will develop the importance of retrieving, processing, planning and implementing information in the production of a model — this is crucial for developing professional practice. The candidate will develop an understanding of the importance of communicating in a professional manner. The model maker must be able to negotiate with all relevant parties in addition to demonstrating their practical problem solving skills.

This Unit also reflects the entrepreneurship within the model making industry where a large number of practitioners are working in a self-employed or freelance capacity.

### **Guidance on the delivery and assessment of this Unit**

This Unit has been developed as part of the HND 3D Design Group Award. It is recommended that it should be taught and assessed within the subject area of the Group Award to which it contributes.

Opportunities may be taken to link or integrate with other aspects of the course and a thematic approach adopted for both delivery and assessment.

The Unit should be delivered to candidates when they have had the opportunity to develop an understanding of the range of tools, equipment, materials and techniques available to them within their own specialist area. This should be a project based Unit and the candidate should be required to work independently when researching ideas and developing solutions.

Lecture with exemplars and class discussion along with appropriate visits should be used to provide a stimulating visual launch to this project-based Unit. Ongoing discussion and tutorials should be used to give the candidate the chance to verbally justify and explain the development of their work.

A large portion of time in this 2-credit Unit should be allocated to the production of the model. Integrating the knowledge elements of the Unit will allow the maximum time for the production of the finished model and the further development of model making skills.

It may be possible to integrate this with another HN Unit from *3D Design: Model Making*.

## Higher National Unit specification: support notes (cont)

### Unit title: Model Making: Client Commission

Delivery and assessment of **Outcomes 1-6** could be combined. An existing, preferably industry led, project could be used as a case study, supported by professional references. Through open questions and group discussion the project would be de-constructed exploring all the processes involved from the delivery of the model to the initial contact from the client.

If possible, there should be opportunities to collaborate with a real or simulated client in this project.

Assessment of **Outcomes 1-3** could be combined in a presentation/client meeting where the candidate outlines the proposal with supporting media such as letters, drawings, sketchbooks and samples.

The presentation should contain the following:

- ◆ the factors in selection of scale such as cost, time, level of detail etc
- ◆ understanding styles and form such as traditional and contemporary
- ◆ development of concepts and ideas
- ◆ various sources of information such as client, reference library, planning department, photographic sketch
- ◆ how to change the format/scale of drawings and transferring retrieved information to scaled information
- ◆ candidate clearly shows that they can select and read the relevant drawings required to construct the model
- ◆ show sound thinking in the selection of materials and construction of materials, which conform to the brief and learning environment
- ◆ simulated surface samples are produced
- ◆ how candidates plan to source, implement and construct the model

Each Outcome could also be assessed by individual assessments. Candidates should be encouraged to keep a photographic record of all their work, in particular any work produced outwith direct tutor supervision.

For assessment of **Outcomes 4 and 5**, candidates should present a completed model at the given time, which meets the industry standard. The model should show:

- ◆ clean, sharp and accurate construction with little wastage of materials
- ◆ surfaces free of blemishes and imperfections
- ◆ sturdy assembly of components
- ◆ careful application of detailing and support materials
- ◆ safe practice demonstrated throughout project

Assessment of **Outcome 6**, on completion of the model the candidate should give a verbal or written evaluation which covers:

- ◆ the effectiveness of the finished model in relation to the brief
- ◆ the effectiveness of the planning

## Higher National Unit specification: support notes (cont)

**Unit title:** Model Making: Client Commission

### *Opportunities for developing Core Skills*

All elements of the Core Skill of Problem Solving, that is, planning and organising, critical thinking, and reviewing and evaluating, should be developed and enhanced as candidates undertake the practical work for the Unit. They are required to analyse the requirements for a commission, and establish clear objectives in the design process. Identifying and assessing the relevance of all factors which may affect the success of meeting the client brief will require flexibility and creative thinking. Understanding and taking account of legislative and safety constraints, and working within the limitations of resources and timescales will need a strong understanding of industry practice. Identifying and implementing creative design solutions will involve on-going opportunities for review and modification. Candidates may benefit from personal interviews with the assessor to review and evaluate the process with justification, supporting conclusions with evidence.

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. The emphasis of formative work should be on Numeracy as a tool to be used and applied efficiently and critically in the production of drawings and models.

There are opportunities to foster co-operative working skills as candidates agree the nature and scope of aims and responsibilities with clients. In presenting their work orally candidates should be able to:

- ◆ demonstrate and effectively explain product and process to others
- ◆ collate, organise and structure information
- ◆ signpost key points
- ◆ select and produce support materials for impact
- ◆ use effective non-verbal communication techniques
- ◆ respond to questions in a way that progresses communication

### **Open learning**

Although this Unit could be delivered by distance learning, it would require a considerable degree of planning by the centre to ensure the sufficiency and authenticity of candidate evidence.

The brief and class notes for Outcomes 1–3 could be posted on a Virtual Learning Environment (VLE) with candidates submitting responses. Product evidence for Outcomes 4 and 5 would be required to be submitted as recorded evidence in the form of photographs etc may not show sufficient detail. Observation of health and safety practice would need to be authenticated. Outcome 6 could be completed remotely.

For further information and advice please refer to the SQA document *Assessment and Quality Assurance for Open and Distance Learning* which is available on SQA's website: **[www.sqa.org.uk](http://www.sqa.org.uk)**.

## **Higher National Unit specification: support notes (cont)**

**Unit title:** Model Making: Client Commission

### **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](http://www.sqa.org.uk)).

## **General information for candidates**

### **Unit title: Model Making: Client Commission**

This Unit is designed to enable you to select and develop a real or simulated commission for the making of a model. You will evaluate the developmental processes, planning and implementation in the construction of a commissioned model.

For this Unit you will:

- ◆ originate a brief for a commission, indicating a suitable scale, style and form for the proposed model and give a timescale for making the model
- ◆ present research material as client visuals that show a development of your ideas
- ◆ produce and present a production plan that gives details of materials, scaling, design and constraints and timescale for the production of a model
- ◆ produce a model, taking cognisance of health and safety requirements, that is of a professional standard
- ◆ present the finished model and evaluate the processes and production of the model

As a launch to this project you may be asked to look at exemplars and participate in class discussion. It may also be possible to link this theory with industry practice. There may be an opportunity to collaborate with a real or simulated client in this project.