

Higher National Unit Specification

General information for centres

Unit title: Production Processes in the Clothing Industry: An Introduction

Unit code: F18E 34

Unit purpose: The Unit is designed to enable candidates to recognise, investigate and evaluate production processes used in the manufacture of clothing to enable them to interface with clothing producers. It is primarily intended as an overview for candidates who take up employment in the design, production or retail industries, and to those preparing for work within the clothing industry.

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

- 1 Evaluate cutting room activities.
- 2 Evaluate materials handling systems.
- 3 Select and evaluate types of machinery, stitches and work aids.
- 4 Plan and evaluate a work place layout.

Credit points and level: 2 HN Credits at SCQF level 7: (16 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 Communications, Working with Others and Problem Solving at SCQF level 6 in this Unit although there is no automatic certification of Core Skills or Core Skills components.

Context for delivery: It is recommended that this Unit should be taught and assessed within the subject area of the Group Award to which it contributes.

Assessment: This Unit should be assessed encouraging a holistic approach to assessment. This will be evidenced by the production of a portfolio to support the Outcomes. It is anticipated that this portfolio of evidence will be handed in by a given deadline.

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.

Please refer to *Knowledge and/or skills for the Unit* and *Evidence Requirements for the Unit* after the Outcomes.

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

Evaluate cutting room activities in a work place

Knowledge and/or skills

- ◆ Relationships between company objectives and cutting room practice
- ◆ Lay planning strategies
- ◆ Scheduling and cut piece planning
- ◆ Cloth spreading equipment and techniques

Evidence Requirements

Candidates will need evidence to demonstrate their knowledge and/or skills by showing that they can present a portfolio which clearly shows the investigation of cutting room activities. The portfolio of evidence should show an evaluation of and visual evidence of the following:

- ◆ a statement defining cutting room objectives in relation to materials utilisation and quality control
- ◆ an evaluation of 2 lay planning strategies
- ◆ two methods selected in terms of type of fabric, garment and size of order
- ◆ a description of scheduling and cut piece planning in terms of type of fabric, garment, size of order and time allocation
- ◆ two methods of: cloth spreading, marking techniques and cutting equipment selected in terms of fabric, accuracy required and size of order
- ◆ comparisons between methods based on size of order and efficient use of resources should be made throughout

Assessment guidelines

See Assessment Guidelines after Outcome 4.

Higher National Unit specification: statement of standards (cont)

Unit title: Production Processes in the Clothing Industry: An Introduction

Outcome 2

Evaluate materials handling systems

Knowledge and/or skills

- ◆ Materials handling between workstations
- ◆ Evaluation techniques
- ◆ Materials handling transport systems

Evidence Requirements

Candidates will need evidence to demonstrate their skills and/or knowledge by showing that they can evaluate materials handling systems used in large mass production work places and in small work place situations.

Portfolio evidence must contain:

- ◆ an accurate description of materials handling systems suitable for purpose
- ◆ visual evidence of materials handling systems
- ◆ the evaluation of each materials handling method in relation to different sizes of organisation

Assessment guidelines

See Assessment Guidelines after Outcome 4.

Outcome 3

Select and evaluate types of machinery, stitches and work aids

Knowledge and/or skills

- ◆ Sewing machinery
- ◆ Stitch types
- ◆ Work aids and attachments

Evidence Requirements

Candidates will need evidence to demonstrate their skills and/or knowledge by showing that they can select and evaluate the sewing machinery, stitch types and work aids. The evidence must include 2 of each of the following:

- ◆ types of machinery with a clear explanation of its purpose
- ◆ stitch types with a correct evaluation of their applications
- ◆ work aids or attachments with a clear explanation of its purpose
- ◆ visual evidence of machinery, work aids and stitch types as covered

Assessment guidelines

See Assessment Guidelines after Outcome 4.

Higher National Unit specification: statement of standards (cont)

Unit title: Production Processes in the Clothing Industry: An Introduction

Outcome 4

Plan and evaluate a work place layout

Knowledge and/or skills

- ◆ Work place layouts
- ◆ Economic use of resources
- ◆ Work flow
- ◆ Health and safety

Evidence Requirements

Candidates will need evidence to demonstrate their skills and/or knowledge by showing that the selection of work place layouts is appropriate in terms of company objectives and economic use of machinery and personnel resources. The evidence must include each of the following:

Portfolio evidence must contain:

- ◆ a planned work place layout and evaluation
- ◆ a justification of an alternative layout
- ◆ visual evidence of the 2 alternative work place layouts
- ◆ effective interpretation of work flow
- ◆ accurate consideration of health and safety issues

Assessment guidelines

A holistic assessment is preferred covering all Outcomes. It is envisaged that students would go out to a workplace, evaluate the layout and present visual evidence to support their findings. If an appropriate workplace environment is not available a case study may be used.

Administrative Information

Unit code:	F18E 34
Unit title:	Production Processes in the Clothing Industry: An Introduction
Superclass category:	WH
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Higher National Unit specification: support notes

Unit title: Production Processes in the Clothing Industry: An Introduction

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 is included as an optional Unit in the framework of the HND in Fashion: Design and Production with Retail. It is recommended that it should be taught and assessed within the subject area of the Group Award to which it contributes. The Unit may provide additional underpinning knowledge which could be used for the Production and Graded Units within the course.

The teacher/lecturer/tutor role will deliver the initial background to the production processes in the clothing industry. The tutor's role will then be largely consultative and the candidate is expected to investigate the working practices of organisations with a high degree of independence. This should be monitored periodically by the tutor to ensure that the candidate is developing an investigative portfolio of evidence independently yet seeking advice and guidance when necessary.

Guidance on the delivery and assessment of this Unit

It is expected that in the delivery of the Unit the candidate will compile a portfolio of assessment evidence for the workplace environment and carry out a workplace investigation in co-operation with others in a group or a team. It is likely that the folio of evidence will contain assessment evidence across the four Outcomes. Evidence will be drawn from the independent selection, analysis, and evaluation and planning of a workplace environment and co-operation with others.

It is important to recognise that the development of portfolio evidence should be on-going and there should be periodic reviews between the tutor and the candidate to ensure continuity of evidence and the attainment of individual goals.

Opportunities for developing Core Skills

Core skills will be developed throughout this Unit. Written and/oral Communication skills will be evidenced by the investigation and evaluation of the production processes in each Outcome. The production of a written report and further research using the internet will develop the candidates IT skills. Outcome 4 will enable the candidate to develop Problem Solving skills when planning and evaluating a work place layout. The Core Skill of Working with Others will be developed if a team approach to collate evidence is encouraged.

Open learning

It may be possible to deliver this Unit by open or distance learning. It is important that the candidate is supported in the gathering of evidence for the portfolio. Advances in ICT technology should allow a system of monitoring to take place and sustained contact with the tutor in terms of supervision.

It is important that the candidate has access to the teacher /lecturer/tutor on a regular basis for the development of the portfolio of evidence.

Higher National Unit specification: support notes (cont)

Unit title: Production Processes in the Clothing Industry: An Introduction

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: Production Processes in the Clothing Industry: An Introduction

This Unit has been designed to enable you to recognise, investigate and evaluate production processes used in the manufacture of clothing and to enable you to interface with clothing producers. It is primarily intended as an overview for candidates who take up employment in the design, production or retail industries, and to those preparing for work place experience within the clothing industry.

The purpose of this Unit is to enable you to interface with clothing producers or to do realistic case studies to use the correct terminology when dealing with suppliers / producers and give an overview of the processes involved in mass produced and small scale manufacture of garments. It may provide additional underpinning knowledge which could be used for the Production and Graded Units within the course demonstrating a holistic approach to evidence in your final presentation.

Outcomes are designed to develop personal and vocational skills. Your teacher/lecturer or tutor will be a facilitator and will expect you to be able to take a high degree of responsibility both in the collation of information for your own planned work place layout and in the development of your portfolio of evidence. This type of research will be demanding but it should be enjoyable too. Your teacher/lecturer or tutor will guide you in the early stages by way of lectures, factory visits, video evidence thus providing the necessary underpinning knowledge required. Guidance will be given on how to structure your portfolio of evidence.

You will develop Core Skills of Communication, working with Others and Problem Solving when you study this Unit.