



National Unit specification: general information

Unit title: Garment Manufacture: An Introduction to the Industry
(SCQF level 6)

Unit code: FP73 12

Superclass: WH

Publication date: August 2015

Source: Scottish Qualifications Authority

Version: 02

Summary

This Unit is designed to provide candidates with an introduction to the production processes and control techniques used in the garment manufacturing industry. Candidates will learn how the industry is structured and how production methods and manufacturing control techniques are used to ensure efficiencies are achieved and maintained. The Unit will involve research skills and will develop skills in the use of garment manufacturing control techniques.

This Unit forms part of the National Certificate in Fashion Design and Manufacture but can also be delivered as a freestanding Unit.

Outcomes

- 1 Outline the structure of the garment manufacturing industry for a given country.
- 2 Describe the production processes for garment manufacture.
- 3 Use a range of garment manufacturing control techniques.

Recommended entry

Entry is at the discretion of the centre. Candidates undertaking this Unit do not need any prior knowledge of the apparel industry or garment manufacturing but skills in Communication, Numeracy, Problem Solving and ICT would be beneficial.

National Unit specification: general information (cont)

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Credit points and level

1 National Unit credit at SCQF level 6: (6 SCQF credit points at SCQF level 6*)

**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.*

Core Skills

Achievement of this Unit gives automatic certification of the following Core Skills component:

- ◆ Critical Thinking at SCQF level 5

There are also opportunities to develop aspects of Core Skills which are highlighted in the Support Notes of this Unit specification.

National Unit specification: statement of standards

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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 SQA.

Outcome 1

Outline the structure of the garment manufacturing industry for a given country .

Performance Criteria

- (a) Outline the size and structure of the garment manufacturing industry for a given country.
- (b) Outline the sub sectors of the industry and the numbers employed.
- (c) Outline the geographical locations of the industry from the given country.

Outcome 2

Describe the production processes for garment manufacture.

Performance Criteria

- (a) Describe the differences in the production of outerwear and light clothing
- (b) Outline different production methods that are used by garment manufacturers.
- (c) Describe how the type of retail customer can determine the method of production.
- (d) Describe a production sequence for a basic garment.
- (e) Outline key employment roles in the production sequence.

Outcome 3

Use a range of garment manufacturing control techniques.

Performance Criteria

- (a) Complete relevant calculations for garment manufacturing control techniques.
- (b) Outline how garment manufacturing control techniques can be used to achieve and maintain efficiencies.

National Unit specification: statement of standards (cont)

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Evidence Requirements for this Unit

Written and/or oral evidence is required which demonstrates that the candidate has achieved all Outcomes and Performance Criteria to standards specified.

Outcome 1

Candidates will be required to undertake an investigation into the structure of the garment industry in your given country and present their findings. This must include:

- ◆ the size of the garment industry
- ◆ the sub sectors of the industry
- ◆ the geographical locations of the industry
- ◆ the numbers employed within the industry
- ◆ identification of different customer types

Outcome 2

Candidates will be required to describe the production process for a garment manufacturer. This will include:

- ◆ the difference between light clothing and outerwear garment types
- ◆ two different types of production methods
- ◆ the impact of the retail customer in determining the production method
- ◆ the production sequence for a basic skirt or bodice
- ◆ two key employment roles in the production sequence for basic skirt or bodice

Outcome 3

This Outcome will be evidenced by the completion of garment manufacturing control calculations. A minimum of **three** different types of garment manufacturing control techniques selected from the range given below must be completed and a description of how each one is used to achieve and maintain efficiencies. Each of the calculations must be correct.

- ◆ Performance
- ◆ Efficiency
- ◆ Absenteeism
- ◆ Costing
- ◆ Productivity

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 designed to provide the candidate with a knowledge and understanding of the size and structure of the Garment Manufacturing, its production processes and control techniques.

Outcome 1 looks at the overall size of the industry in terms of the range of sub sectors that come together to make up the Garment Manufacturing industry. Geographical distribution of the industry is examined and key areas identified. The numbers employed in each sector should also be identified. Sources of information for this Outcome could include, the Sector Skills council for Clothing and Textiles (Skillfast UK), government statistics, British Retail Consortium, NESTA, books on the apparel industry eg *The Apparel Industry*, by Richard M. Jones etc.

In **Outcome 2** the focus is firmly on the garment manufacturing process. Even though large areas of manufacturing are completed off-shore the UK still has a base of manufacturing. Client types such as designers, small retailers through to the main high street chains are identified. Production methods and garment sequencing within these methods will be outlined and key employment roles within the production processes will also be identified eg supervisor, pattern cutter; machinist; overlocker; inspector; presser.

Candidates should be aware of how the type of retail customer can determine the production process used, for example, from repetitive orders for a High Street Chain (ie large volume output) to more exclusive wear (ie small numbers of garments produced).

Outcome 3 will provide the candidate with the relevant knowledge and understanding to complete a range of Production Management Control Techniques. While the evidence requirements limit the assessment to three control techniques it is expected that all of the following control techniques will be taught.

- ◆ Performance
- ◆ Efficiency
- ◆ Absenteeism
- ◆ Costing
- ◆ Productivity

If re-assessment is needed, a different combination of three control techniques should be selected.

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Guidance on learning and teaching approaches for this Unit

A variety of teaching and learning techniques can be used throughout the delivery of this Unit to provide the candidate with the knowledge and understanding to complete all Outcomes and Performance Criteria.

All Outcomes should involve class lectures delivered by the tutor with support from a variety of resources (Course notes, online materials etc). These lectures should promote group and class discussion on the topics covered.

Current materials should be used to allow candidates to expand their knowledge of the garment industry and the manufacturing process. Candidates should be encouraged to find suitable material in the form of newspapers, reference books, journals and the internet.

Candidates should plan how to structure their report/presentation so that it can be presented in a logical and easily understood way. Candidates should be encouraged to use a range of research methods to ensure that they develop a good understanding of the topics. A list of suitable publications and websites could be made available to assist with research.

Outcomes 1 and 2

Tutors should provide candidates with a clear remit for the completion of the investigation for these Outcomes. This will enable candidates to work independently using relevant support materials. These may include Course notes, relevant and appropriate web sites and online help, books and journals.

Outcome 3

Tutors should explain and demonstrate the calculations of the full range of production control techniques covered in this Unit. This could lead to question and answer sessions providing the candidates with an opportunity to obtain a clear understanding of the techniques delivered before completion of exercises. Tutors may wish to provide candidates with a work-book containing exemplars and a range of practical exercises for completion by the candidate. Presenting the practical exercises in pro forma documentation will help candidates to understand the calculations.

Case studies and examples of the use of these calculations in achieving and maintaining efficiencies would be beneficial and assist in candidates understanding of the application of these manufacturing control techniques

Guidance on approaches to assessment for this Unit

Candidates may find suitable material for their investigation in the form of newspapers, reference books, journals, Course notes and the Internet.

Questions and answers can be used to authenticate the candidate's work.

Candidates will have access to course notes, reference books, journals, online help and individual tutorials with their lecturer.

The assessments for Outcomes 1 and 2 could be integrated if required.

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Outcomes 1 and 2

Outcome 1 could be assessed by the completion of an investigation where the candidate is given a clear brief to work from. The findings of the investigation could take the form of a short oral presentation by the candidate or a short word processed/written report. Annotated diagrams, graphical information, images or illustrations can be used to enhance the presentation/report. Alternatively, if sufficient graphical/visual evidence is provided to cover all Evidence Requirements this alone may form the presentation/report.

For Outcome 2 the candidate could produce a short description of the garment production process using a mixture of words, diagrams, images etc. Alternatively centres may wish to set questions to which candidates would provide written/oral responses.

Outcome 3

Outcome 3 could be assessed by the candidate completing a minimum of three different garment manufacturing control technique calculations from the given range and describing how each technique can be used to achieve and maintain efficiencies. Each of the calculations completed must be correct. The use of pro forma layouts will assist in the clarity of the candidates' work and in the assessment of the work. A candidate workbook may be used for the calculations if required.

Opportunities for the use of e-assessment

E-assessment may be appropriate for some assessments in this Unit. By e-assessment we mean assessment which is supported by Information and Communication Technology (ICT), such as e-testing or the use of e-portfolios or e-checklists. Centres which wish to use e-assessment must ensure that the national standard is applied to all candidate evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. Further advice is available in *SQA Guidelines on Online Assessment for Further Education (AA1641, March 2003)*, *SQA Guidelines on e-assessment for Schools (BD2625, June 2005)*.

Opportunities for developing Core Skills

In this Unit candidates will have opportunities to develop Core Skills in *Communication*, *ICT*, *Numeracy* and *Problem Solving*.

Candidates will develop *Numeracy* and *Problem Solving* skills by completing a range of production management calculations and the analysis of manufacturing data.

Communication skills could be developed through the production of written and/or orally presented work. *ICT* skills could be developed through the use of the internet for research purposes and the presentation of work in a word processed document. PowerPoint presentation will also assist in the development of these Core skills.

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Disabled candidates and/or those with additional support needs

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering whether any reasonable adjustments may be required. Further advice can be found on our website www.sqa.org.uk/assessmentarrangements

History of changes to Unit

Version	Description of change	Date
03	All reference to 'UK' removed as the garment manufacturing Industry has now expanded beyond the UK.	26/08/2015
02	Core Skills Component Critical Thinking at SCQF level 5 embedded.	30/09/2011

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