



Higher National Unit specification

General information for centres

Unit title: Pattern Cutting: Complex Skills

Unit code: F26P 35

Unit purpose: This Unit will provide the candidate with an extended knowledge of pattern cutting skills to an advanced level and will include the use of cutting and spreading and lapping techniques. This Unit is suitable for candidates studying fashion and design or currently working in the fashion industry.

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

- 1 Produce complex sample patterns.
- 2 Produce a production pattern from a given sketch.
- 3 Use a production pattern to construct a sample garment.

Credit points and level: 1 HN credit at SCQF level 8: (8 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: While entry to this Unit is at the discretion of the centre, candidates would benefit from having previously studied Unit F1PW 34 *Pattern Development for the Fashion Industry* and industrial sewing techniques at SCQF level 7, or have relevant industrial experience.

Core Skills: There are opportunities to develop the Core Skills of Problem Solving, Numeracy, and Working with Others 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: Candidates will produce a folio of sample patterns using techniques developed in Outcome 1, a production pattern will be produced from a sketch and tested with the make up of a sample garment toile. Outcome 2 and 3 will be assessed in an integrative way.

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

Produce complex sample patterns

Knowledge and/or Skills

- ◆ Block pattern
- ◆ Cutting and spreading techniques
- ◆ Lapping techniques
- ◆ Measuring techniques
- ◆ Manipulation sheets

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and Skills by showing that they can manipulate block patterns to produce a minimum of eight complex sample patterns, six of these patterns should be completed in miniature, two in full scale. The patterns created must demonstrate the use of cutting and spreading techniques, lapping techniques and traditional pattern cutting methods.

Each complex sample pattern must include at least one complex style feature and have a manipulation sheet to indicate workings and must include all relevant pattern information, ie style, pattern component, size, number to cut and seams and hem allowances indicated. All complex sample patterns produced should be within a tolerance of 1cm.

Observation schedules should be used to record candidate performance.

Assessment Guidelines

The candidate should produce a minimum of two full scale complex sample patterns using selected blocks to meet given specifications. Block patterns used should be selected from the following range: skirt, trouser, dress, fitted and casual jacket. A selection of complex sample patterns should also be produced in miniature. Each pattern produced could include at least one complex feature such as: Lantern, leg o mutton sleeves, cowed garments, hoods, exaggerated necklines or collars, offset gathers, asymmetric radiating gathers or similar complex style features. (These features will vary according to current fashion trends).

Patterns could be submitted in a work folio.

Higher National Unit specification: statement of standards (cont)

Unit title: Pattern Cutting: Complex Skills

Outcome 2

Produce a production pattern from a given sketch

Knowledge and/or Skills

- ◆ Interpretation of sketch
- ◆ Block patterns
- ◆ Pattern manipulation techniques
- ◆ Production patterns

Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and Skills by showing that they can select and develop a full scale block pattern to meet the needs of a given sketch. The candidate should demonstrate a logical thought process by identifying the most appropriate block to be used, create a manipulation sheet indicating all workings, and finally produce a production pattern. The production pattern produced should reflect the design of the given sketch and should be finalised when the sample garments have been completed.

The production pattern should include all relevant pattern and cutting information including grain lines, style, pattern component, size, seams, notches, drills and hems. All patterns produced must be within a tolerance of 1cm.

Observation schedules should be used to record candidate performance.

This Outcome must be assessed jointly with Outcome 3.

Assessment Guidelines

The candidate should produce a production pattern from a given sketch. Appropriate blocks should be selected and a manipulation sheet created indicating all workings. Patterns should then be traced off from this sheet and any further modifications made be noted.

The candidate may produce more than one pattern depending on the sketch being worked on eg in a two piece garment. Production patterns cannot be finalised until learning Outcome 3 is complete.

The production pattern could be rolled up for presentation or submitted with the patterns from Outcome 1 in a work folio.

Higher National Unit specification: statement of standards (cont)

Unit title: Pattern Cutting: Complex Skills

Outcome 3

Use a production pattern to construct a sample garment

Knowledge and/or Skills

- ◆ Industrial sewing machine techniques
- ◆ Fabric handling techniques
- ◆ Garment construction techniques
- ◆ Sample garment construction

Evidence Requirements

Candidates will need to provide evidence to demonstrate their knowledge and skills by constructing a sample garment using the production pattern created in Outcome 2. This Outcome therefore must be jointly assessed with Outcome 2.

Method of make should be considered and the sample garment should relate to the sketch given in terms of proportion and scale. Modifications should be carried out at this stage if necessary and changes noted in the manipulation sheet. The sample garment should be manufactured using industrial sewing machine methods and techniques and should be completed with sufficient detail to enable the sample garment and patterns to be used for a final garment if required. The sample garment should have accurate seam allowances, be pressed and be presented with all threads cut and have a label. Linings and finishing processes are not required at this stage.

All production patterns must be finalised considering any modifications made and should be accurate to within 1cm tolerance. Production patterns must contain relevant cutting information, grain lines, notches and drill holes.

An observation schedule should be used to record the candidate performance.

Assessment Guidelines

The assessment for this Outcome should be integrated with Outcome 2. The sample garment produced should be tested for fit and accuracy of the pattern, style and reflect the design of the given sketch. As this garment is only a test for the pattern it does not require to be finished to a saleable standard although it should be neatly presented with all threads cut and be pressed.

Administrative Information

Unit code: F26P 35

Unit title: Pattern Cutting: Complex Skills

Superclass category: WH

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History of changes:

| Version | Description of change | Date |
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Higher National Unit specification: support notes

Unit title: Pattern Cutting: Complex Skills

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 will be a mandatory subject in the HND Fashion Design and Manufacture Group Award. The purpose of this Unit is to extend the candidate's knowledge and skills in pattern development and make up which will help them to complete other Units in the award such as F26X 35 *Manufacturing a Garment Collection*.

The candidate should work from a variety of blocks in Outcome 1 eg skirt, trouser, dress, fitted and casual jacket.

The candidate should experiment with these blocks to produce different complex sample patterns and become competent in the use of cutting and spreading and lapping techniques.

The sketches given to the candidate should change with current fashion trends and every effort should be made to encourage candidates to explore the boundaries of the pattern cutting techniques.

Candidates should use industrial sewing techniques in manufacture of the sample garment and are required to use industrial machinery and equipment such as single needle lock stitch, iron and vacuum table and machine attachments as appropriate.

Guidance on the delivery and assessment of this Unit

This Unit is designed to extend the candidate's skills in pattern development and make up. It is recommended that the sample patterns created in Outcome 1 be assessed on completion of the Outcome.

A booklet or individual instruction sheets could be issued to the candidate. The tutor would also demonstrate and show exemplars of the various techniques used, completed work could be presented in a work folio.

A selection of block patterns could be used to create a variety of complex sample patterns. These patterns would be created by using cutting and spreading techniques, lapping techniques and traditional pattern cutting to produce styles such as: lantern, leg 'o' mutton, puff ball sleeves, cowed garments, hoods, offset gathers etc. These styles may change in accordance with current fashion trends.

Each complex sample pattern produced should have a manipulation sheet showing all workings. All patterns should also have relevant pattern information such as: style name, style part, size and seams and hems.

Higher National Unit specification: support notes (cont)

Unit title: Pattern Cutting: Complex Skills

Outcomes 2 and 3 should be integrated and assessed together.

A production pattern should be produced from a given sketch, which could either be in the form of a complex garment or a three dimensional shape or a combination of both. The candidate would select the appropriate block pattern, manipulate it for the design using the techniques learnt in Outcome 1. A sample garment will then be produced and this should be compared with the original sketch. Patterns should be modified if required. The patterns produced should then be finalised to form accurate production patterns which could then be used for manufacturing a final garment.

Observation schedules should be used to record candidate performance.

Opportunities for developing Core Skills:

Candidates will develop their Problem Solving skills by analysing their designs and then interpreting them to produce their sample garments. They are then required to plan the production and modify as appropriate. Additionally candidates are expected to evaluate their work throughout and to amend and alter patterns to achieve the standards required.

The candidate would Work with Others through sharing equipment and operating in a workshop environment, working co-operatively and also with group discussion with the lecturer.

Numeracy skills will be developed by the candidate through measuring accurately, using blocks and manipulation techniques and measuring and cutting out of fabrics. Candidates will also require to work with diagrams in the form of patterns and to alter these accordingly.

Open learning

This Unit is not suitable for open learning as specialist pattern cutting equipment and industrial machinery are required. Additionally the techniques involved usually require demonstration by the tutor, followed by practice by the candidate. Discussion is also required on a regular basis.

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: Pattern Cutting: Complex Skills

In this Unit you will learn how to create patterns using complex pattern techniques. These techniques are called cutting and spreading and lapping which basically means that the pattern being created is becoming distorted in some way. Styles produced using these techniques could be style features like gathers, lantern sleeves and cowl necks.

You will work through various manipulation tasks to produce sample patterns. Your tutor will demonstrate techniques have exemplar material for you to examine and may issue a booklet or instruction sheets. You will then be assessed carrying out manipulation tasks. You may gather the patterns you produce into a work folio.

You will then be issued with a sketch, which could be in the form of a complex garment or even a 3 dimensional shape, you will interpret this and make a production pattern from the knowledge you have gained in the first Outcome. You will then cut out your sample garment. You will make up the sample garment using industrial sewing machinery and the sample garment will be compared to the original sketch. You will make any modifications if they are needed, at this stage. Finally you will ensure that your production patterns are really accurate so that they could be used in the make up of a garment.

In studying this Unit you will develop the Core Skills of Working with Others, Numeracy and Problem Solving at SCQF level 6.