SQA Advanced Unit Specification

General information

Unit title: Garment Pattern Construction: Blocks, Manipulations and Production

Unit code: J7T9 47

Superclass: JK

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Unit purpose

This unit is designed to develop the candidate's ability to produce basic master blocks and enable them to produce manipulated production patterns to industry standard. The unit is for those studying or working in the fashion or clothing industry.

Outcomes

On successful completion of the unit, the learner will be able to:

1 draft a range of basic block patterns to given specifications
2 produce a range of manipulations and production patterns from block patterns
3 produce a full scale production pattern for a given style

Credit points and level

2 SQA unit credits at SCQF level 7: (16 SCQF credit points at SCQF level 7).

Recommended entry to the unit

Candidates should have previous knowledge of pattern construction, which could be evidenced by completion of pattern construction units at SCQF level 5 or 6, or the SQA Advanced Unit

Garment Construction Techniques: An Introduction at SCQF level 6, or having relevant industrial experience.

Core Skills

Opportunities to develop aspects of Core Skills are highlighted in the support notes section for this unit specification.

There are opportunities to develop the Core Skills of Problem Solving and Numeracy at SCQF level 5 in this unit, although there is no automatic certification of Core Skills or Core Skill 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.

The Assessment Support Pack (ASP) for this unit provides assessment and marking guidelines that exemplify the national standard for achievement. It is a valid, reliable and practicable assessment. Centres wishing to develop their own assessments should refer to the ASP to ensure a comparable standard. A list of existing ASPs is available to download from SQA's website (https://www.sqa.org.uk/sqa/90557.10883.html)

Assessment

Assessment will be holistic through integrated practical assignments, which will involve the production of master blocks and manipulated patterns in full scale, half scale or quarter scale, in addition to fifth scale for candidate portfolios or workbooks. A closed book assessment for one of the manipulated patterns is required in outcome 2.

Equality and inclusion

This unit specification has been designed to ensure that there are no unnecessary barriers to learning or assessment. The individual needs of learners should be taken into account when planning learning experiences, selecting assessment methods, or considering alternative evidence.

Further advice can be found on our website www.sqa.org.uk/assessmentarrangements.

Statement of standards

Unit title: Garment Pattern Construction: Blocks, Manipulations and Production

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.

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. Learners 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

Draft a range of basic block patterns to given specifications.

Knowledge and/or skills

- measuring techniques and sequence of measures
- size charts
- block drafting techniques
- card blocks
- block and pattern information

Evidence requirements

Candidates will need to provide evidence to demonstrate their knowledge and skills by showing that they can: produce a minimum of five card block patterns in full or half or quarter scale and fifth scale for the following garments: skirt, bodice, blouse, sleeve, hip, dress, trouser and dartless bodice. Fifth scales should be neatly presented in a folder.

Each block should include correct information on:

- grain lines
- notches
- drill holes
- balance marks
- size
- style
- cutting instructions
- pattern piece identification

Candidates should use size charts and sequence of measurements appropriate to the block. Pattern measurements should be within a tolerance of 0.5cm.

Assessment guidelines

Candidates could be asked to produce a minimum of five block patterns in full or half or quarter scale **and** fifth scale to the given measurement specifications. The patterns could be within 0.5cm of the tutor's master blocks.

Outcome 2

Produce a range of manipulations and production patterns from block patterns.

Knowledge and/or skills

- block manipulation techniques
- production pattern creation
- production pattern content and information

Evidence requirements

Candidates will need to provide evidence to demonstrate their knowledge and skills by showing that they can produce one production pattern in full or half or quarter scale and one fifth scale production pattern for each block, showing at least two style variations in full or half or quarter scale for a minimum of five blocks. Additionally, one full scale manipulation and production pattern should be produced under controlled assessment conditions.

Manipulations should include swinging the dart.

The production pattern information should include:

- seam allowances
- grain lines
- notches
- drill holes
- balance marks
- size
- style
- cutting instructions
- pattern piece identification

Candidate performance should be recorded on an observation checklist. Pattern measurements should be within a tolerance of 0.5cm.

Assessment guidelines

The candidate could use the basic blocks from outcome 1 to construct the manipulated style variations into production patterns. Like outcome 1, this could be an ongoing assessment with the portfolio of evidence being gathered throughout the unit.

All fifth scale patterns should be maintained in a portfolio.

Outcome 3

Produce a full scale production pattern for a given style.

Knowledge and/or skills

- block manipulation techniques
- production pattern creation
- production pattern content and information

Evidence requirements

Candidates will need to provide evidence to demonstrate their knowledge and skills by showing that they can produce a production pattern to industry standards, which should be detailed in a centre-devised checklist corresponding to the style given to the candidate. The pattern should include all appropriate seam allowances, grain lines, notches, drill holes and written information.

Assessment guidelines

The candidate could produce a manipulation and production pattern for one of their own designs or to a given specification. All measurements and a record of manipulation and changes to the original plan should be kept and justified.

Support notes

Unit title: Garment Pattern Construction: Blocks, Manipulations and Production

Unit support notes are offered as guidance and 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

Pattern blocks, manipulations and production patterns could be produced in full scale, half scale, or quarter scale to suit the needs of the leaners or centres. In addition, fifth scale should be used for candidate portfolios or workbooks.

This section is for guidance only and content should be chosen in accordance with current fashion trends. Possible variations may include:

- sleeves: leg-o-mutton, raglan, gathered, one piece, two piece, dolman, bishop, tulip
- necklines: sweetheart, V neck, off the shoulder, halter, cowl
- collars: Peter Pan, two piece shirt collar, rever with facings, shawl, roll
- pleats: inverted, knife, box, sunray, godet
- yokes: square, round, shaped
- pockets: patch, welt, single jetted, double jetted, hip pocket
- waistlines: darts, single pleated, double pleated, cowl, draped, corselette, belted, empire
- opening: button stand, gauntlet, bound, concealed
- edge finishes: hems, flounces, frills

Guidance on approaches to the delivery of this unit

Outcome 1

Tutor-led discussion and demonstration of method of producing basic block patterns using the appropriate equipment and sequence of measurements. Discuss the importance of specifications and consequences of failing to comply to a given specification and the importance of clearly identifying and labelling each component part of the block.

Outcome 2

Tutor-led discussion and demonstration of swinging the dart and cutting and spreading to create style variations. Style variations should reflect current trends. Tutors or trainers, through the use of handouts and practical demonstrations, show the candidates how to construct basic blocks and manipulations and production patterns. Master copies of blocks and patterns should be available to check accuracy.

Outcome 3

Candidate-centred practical exercise where the candidate produces a production pattern in full scale for a commercial design.

A candidate-centred learning approach is recommended. The outcomes in this unit need not be taught separately and it is likely an integrated approach will be used. Candidates should have access to up-to-date technical publications.

Each candidate should have several opportunities to develop practical skills and should be assessed at appropriate points throughout the unit. Where a candidate is unsuccessful in achieving an outcome, provision should be made for re-mediation and re-assessment.

Tutors or trainers, through the use of handouts and practical demonstrations, show the candidates how to construct basic blocks, manipulations and production patterns. Master copies of blocks and patterns should be available to check accuracy.

Centre may use the instruments of assessment which are considered by tutors or trainers to be the most appropriate. As well as producing what is required within the outcomes, observation checklists and specification sheets should be devised to evidence the candidate's completion of the practical exercises.

Evidence can be generated using different types of assessment. The above are suggestions only. There may be other methods that would be more suitable to learners.

Centres are reminded that prior verification of centre-devised assessments would help to ensure that the national standard is being met. Where learners experience a range of assessment methods, this helps them to develop different skills that should be transferable to work or further and higher education.

Opportunities for 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, such as e-testing or the use of e-portfolios or social software. Centres wishing to use e-assessment must ensure that the national standard is applied to all learner evidence and that conditions of assessment — as specified in the evidence requirements — are met, regardless of the mode of gathering evidence. The most up-to-date guidance on the use of e-assessment to support SQA's qualifications is available at: www.sqa.org.uk/e-assessment.

Opportunities for developing Core and other essential skills

The candidate will have the opportunity to develop the Core Skill at SCQF level 5 in Problem Solving. The candidate will have to work sequentially, devise and develop solutions and justify their solutions. Additionally, candidates will evaluate the accuracy and quality of their work on an ongoing basis.

Numeracy skills will be developed by the candidate during the course of this unit through using measurements and size charts and by drawing accurate pattern drafts to match given measurements.

History of changes to unit

Version	Description of change	Date

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SQA acknowledges the valuable contribution that Scotland's colleges have made to the development of SQA Advanced Qualifications.

Further information

Call SQA's Customer Contact Centre on 44 (0) 141 500 5030 or 0345 279 1000. Alternatively, complete our Centre Feedback Form.

General information for learners

Unit title: Garment Pattern Construction: Blocks, Manipulations and Production

This section will help you to decide whether this is the unit for you by explaining: what the unit is about; what you should know or be able to do before you start; what you will need to do during the unit; and opportunities for further learning and employment.

In this unit, you will learn how to:

- use size charts and measurements to create patterns
- draft block patterns in full, half or quarter scale and fifth scale, which are used as a basis for creation of all patterns that you will make — the blocks you will draft are: skirt, bodice, sleeve, blouse or hip, trouser, dress and dartless bodice
- use these block patterns to create a variety of styles — you will produce these patterns in miniature as well as actual size
- produce production patterns which can then be used to create garments

By learning how to create these blocks and manipulating them into production patterns, you will learn how garments are constructed and how you can alter a basic style to suit your requirements.

At the end of the unit, you will have gathered a portfolio of blocks and patterns in full, half or quarter scale and fifth scale, which will form the basis of your working portfolio of patterns.

You will be assessed in this unit by continuous assessment, except for one pattern which will be conducted under closed book supervised conditions.

In studying this unit, you will also develop your skills in Problem Solving and Numeracy.