



**NATIONAL CERTIFICATE MODULE: UNIT SPECIFICATION****STATEMENT OF STANDARDS****UNIT NUMBER:** 3311064**UNIT TITLE:** DOMESTIC MACHINE KNITTING: STITCHES AND PROCESSES 2

Acceptable performance in this unit will be the satisfactory achievement of the standards set out in this part of the specification. All sections of the statement of standards are mandatory and cannot be altered without reference to SQA.

**OUTCOME**

1. PRODUCE SAMPLES OF SIMPLE HAND TOOLED STITCH PATTERNS

**PERFORMANCE CRITERIA**

- (a) The explanations of the principles of the pattern media required to produce specified stitch patterns is accurate.
- (b) The production of cabled samples is correct with respect to given specification.
- (c) The production of both plain and striped ruched fabrics is correct with respect to given specification.
- (d) The production of hand-tooled lace patterns is correct with respect to given specification.

**RANGE STATEMENT**

Tools: single, double, triple and multiple transfer tools.

Specified fabrics: cabled, ruched, and hand-tooled lace.

**EVIDENCE REQUIREMENTS**

Written evidence of the pattern media required to produce hand-tooled fabrics.

Performance evidence of the use of the above range of tools to complete the processes as specified in Performance Criteria (b) to (d).

**OUTCOME****2. PRODUCE SAMPLES OF AUTOMATIC STITCH PATTERNS****PERFORMANCE CRITERIA**

- (a) The explanation of the principles of given settings is accurate.
- (b) The explanation of the principles of pattern media required to produce given stitch patterns is accurate.
- (c) The setting up of the machine to produce specified fabrics is correct.
- (d) The production of automatic stitch patterns is correct with regard to given specification.

**RANGE STATEMENT**

Settings: cam and needle settings.

Accessories: single bed colour changer, lace carriage.

Specified fabrics: fair-isle or multi-colour, self- and multi-coloured tuck and tuck lace, self- and multi-coloured slip, knitweave, transfer lace and punch or thread lace.

**EVIDENCE REQUIREMENTS**

Performance evidence of the range of settings to produce the given range of specified fabrics. Spoken or written explanation of the principles of given settings and pattern media.

**OUTCOME****3. PRODUCE SAMPLES OF SINGLE BED PLEATING AND PLEATED EFFECTS****PERFORMANCE CRITERIA**

- (a) The setting up of the needlebed for the initial casting on sequence is correct with respect to given specification.
- (b) The setting up of the machine to achieve matching side seams, and configuration in pleats is correct.
- (c) The production of specified pleat formations is correct.
- (d) The use of the plating feeder is correct with respect to given specification.

**RANGE STATEMENT**

Accessories: lace carriage, plating feeder.

Procedures: setting up needle configuration, tension and shaping by tension procedures.

Specified fabrics: vertically and horizontally knitted pleats, lace pleats and shadow pleated effects.

**EVIDENCE REQUIREMENTS**

Performance evidence of the application of the range of procedures used in the production of pleats and pleated effects, including the setting up of the bed, the machine and the use of the plating feeder.

**OUTCOME**

4. PRESENT SAMPLES IN SUITABLE FORMAT WITH RELEVANT DATA

**PERFORMANCE CRITERIA**

- (a) The processing of completed samples is according to specified procedures.
- (b) The samples inserted in workbooks are in accordance with given instructions.
- (c) The production of notes to accompany stitches and processes are clear, legible and accurate.

**RANGE STATEMENT**

Tools and equipment: blocking mat and pins; binding wires; steam iron or press; workbooks; paper and mounting card; double sided cellotape.

Processes: blocking; pressing.

**EVIDENCE REQUIREMENTS**

Performance evidence of the above range of tools and equipment to complete the processes as specified within the Performance Criteria (a) and (b).

Written evidence of supporting notes for all stitches and processes.

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**ASSESSMENT**

In order to achieve this unit, candidates are required to present sufficient evidence that they have met all the performance criteria for each outcome within the range specified. Details of these requirements are given for each outcome. The assessment instruments used should follow the general guidance offered by the SQA assessment model and an integrative approach to assessment is encouraged. (See references at the end of support notes).

Accurate records should be made of the assessment instruments used showing how evidence is generated for each outcome and giving marking schemes and/or checklists, etc. Records of candidates' achievements should be kept. These records will be available for external verification.

**SPECIAL NEEDS**

In certain cases, modified outcomes and range statements can be proposed for certification. See references at end of support notes.

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**NATIONAL CERTIFICATE MODULE: UNIT SPECIFICATION****SUPPORT NOTES**

**UNIT NUMBER:** 3311064

**UNIT TITLE:** DOMESTIC MACHINE KNITTING: STITCHES AND PROCESSES 2

**SUPPORT NOTES:** This part of the unit specification is offered as guidance. None of the sections of the support notes is mandatory.

**NOTIONAL DESIGN LENGTH:** SQA allocates a notional design length to a unit on the basis of time estimated for achievement of the stated standards by a candidate whose starting point is as described in the access statement. The notional design length for this unit is 40 hours. The use of notional design length for programme design and timetabling is advisory only.

**PURPOSE** The module is designed for those who wish to set up in small business, for occupational therapy and for those pursuing leisure activities.

SQA publishes summaries of NC units for easy reference, publicity purposes, centre handbooks, etc. The summary statement for this unit is as follows:

**CONTENT/CONTEXT** Corresponding to Outcomes 1-4:

1. Preparing graphs and charts for hand-tooling processes. Correct use and understanding of recognised symbols. Knitting of simple cables using single, double and triple transfer tools. Knitting of plain and striped rucked fabrics using the above transfer tools. Simple lace patterns using hand tooling methods.
2. Cam settings and optimum stitch sizes for specified stitch patterns. Patterning media required to produce fair-isle or multi-colour, self- and multi-coloured tuck and tuck lace, self- and multi-coloured slip, knitweave, transfer lace and punch or thread lace.
3. Initial cast on needle set-ups. Suitable tension settings, matching side seams, setting edge needles for pleat formation, pleating and shaping by tension change, pleated effects using different weights of yarn. Use of patterning media to produce permanent pleating. Lace pleats, shadow pleating using a plating feeder.
4. Suitable methods of blocking and pressing. Window mounts and various insertion methods. Sellotape, paper, card, cutting mat, craft knife, scissors, presentation ring binders, clear plastic envelopes.

**APPROACHES TO GENERATING EVIDENCE** A candidate-centred, resource-based learning approach is recommended. During the work of the module candidates should have several opportunities to develop their practical skills, and should be assessed at appropriate points. Each procedure should be demonstrated and should be followed by appropriate points. Each procedure should be demonstrated and should be followed by supervised participation by the candidate. Terminology should be presented in context throughout the module. Examples of workbooks should be available for the candidate to compare standards. Candidates progress should be monitored by an ongoing assessment of properly structured work books. Safe practices and care in the use of equipment should be an integral part of the module activities. Where the candidate is unsuccessful in achieving an outcome, provision should be made for remediation and reassessment.

**ASSESSMENT PROCEDURES** Centres may use the Instruments of Assessment which are considered by tutors/trainers to be the most appropriate. Examples of Instruments of assessment which could be used are as follows:

Outcomes 1-5 Mainly practical based with an amount of knowledge required, therefore a project is recommended here. The practical exercises for each outcome completed separately could be evidenced by an observation checklist in addition to the production of samples where required. The candidate could also produce a workbook to evidence the knowledge possibly using structured questions. The appropriate number of questions should be set to enable the candidate to demonstrate the required ranges adequately.

**EXEMPLARS** Machine Knitting Technology and Patterns by Mary Weaver.

**PROGRESSION** The candidate could progress into other Domestic Machine Knitting modules.

**RECOGNITION** Many SQA NC units are recognised for entry/recruitment purposes. For up-to-date information see the SQA guide 'Recognised and Recommended Groupings'.

## REFERENCES

1. Guide to unit writing.
2. For a fuller discussion on assessment issues, please refer to SQA's Guide to Assessment.
3. Procedures for special needs statements are set out in SQA's guide 'Students with Special Needs'.
4. Information for centres on SQA's operating procedures is contained in SQA's Guide to Procedures.
5. For details of other SQA publications, please consult SQA's publications list.

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