

National Unit Specification: General Information

UNIT	Perm and Neutralise Hair (Higher) (x2)
NUMBER	D05R 12
COURSE	This is a free standing unit which may be used as part of a Scottish Group Award or be associated with other programmes of study in schools, colleges of further education or other centres.

SUMMARY

The candidate will be able to wind hair for perming and explain chemicals involved in perming and neutralising processes.

OUTCOMES

- 1 Explain the chemicals involved in perming and neutralising processes and their effects on the hair.
- 2 Establish the client's requirements and plan the process to meet these requirements.
- 3 Perm the hair.
- 4 Neutralise the hair and record the perming and neutralising processes.

RECOMMENDED ENTRY

Entry is at the discretion of the centre. Candidates should have some knowledge of the structure of the hair and the ability to analyse hair and scalp disorders. This may be evidenced by possession of D05J 11 Analysis of Hair and Scalp or similar qualifications or experience.

CREDIT VALUE

2 Credits at Higher.

CORE SKILLS

Information on the automatic certification of any core skills in this unit is published in *Automatic Certification of Core Skills in National Qualifications* (SQA, 1999).

Administrative Information

Superclass:	HL
Publication date:	December 1998
Source:	Scottish Qualifications Authority
Version:	01

© Scottish Qualifications Authority 1999

This publication may be reproduced in whole or in part for education purposes provided that no profit is derived from reproduction and that, if reproduced in part, the source is acknowledged.

Additional copies of this specification can be purchased from the Scottish Qualifications Authority. The cost is £2.50.

National unit specification: statement of standards

UNIT Perm and Neutralise Hair (Higher) (x2)

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 the Scottish Qualifications Authority.

OUTCOME 1

Explain the chemicals involved in perming and neutralising processes and their effects on the hair

Performance Criteria

- a) Chemicals involved in the perming processes are accurately explained.
- b) The effect of the perm lotion on the hair structure is accurately described.
- c) The oxidation process of neutralising lotion on the hair structure is accurately described.
- d) Possible damage to the hair structure is accurately stated.
- e) Health and safety regulations are adhered to at all times.

Note on range for the outcome

Chemicals: alkaline; acid; neutraliser.

Hair structure: cuticle; cortex; polypeptide chains.

Evidence Requirements

The candidate should supply written/oral evidence of ability to explain the chemicals involved in perming and neutralising processes and their effects on the hair. Short answer and diagram questions would be appropriate.

OUTCOME 2

Establish the client's requirements and plan the process to meet these requirements.

Performance Criteria

- a) Communication skills are used to promote a professional image and establish a clear understanding between the client and candidate.
- b) Contra-indications to permanent waving processes are accurately identified and appropriate action is taken.
- c) Relevant tests are carried out in accordance with health and safety procedures.
- d) Products and techniques are selected in accordance with clients' requirements and influencing factors.
- e) The client is guided and advised of the potential of her/his hair in achieving the finished look.
- f) Agreement on the finished look is reached between the client and candidate.

National unit specification: statement of standards (Cont)

UNIT Perm and Neutralise Hair (Higher) (x2)

Note on range for the outcome

Communication skills: clear speech; listening skills; questioning techniques.

Products: acid; alkali.

Contra-indications: metallic salts; suspected infestations and infections; active psoriasis; excessively damaged hair.

Hair lengths: above and below shoulder length.

Tests: porosity; incompatibility; preform development test curl; elasticity.

Winding techniques: basic; brick; directional.

Influencing factors: temperature; style requirements; hair condition; hair length; hair texture.

Evidence Requirements

The candidate should supply performance evidence of the ability to consult with clients using communication skills appropriate to the situation.

The candidate should supply written/oral evidence of understanding the full range of contra-indications to treatments and actions to be taken, relevant tests and relevant health and safety regulations and the need to accurately record all details. Short answer or matching item questions would be appropriate.

Observation of the candidate's performance in practical activities should be carried out by the lecturer/teaching using a checklist.

OUTCOME 3

Perm the hair.

Performance Criteria

- a) Preparation of the client and self is carried out in accordance with salon procedures.
- b) The hair is sectioned correctly.
- c) The hair is wound using the correct tension.
- d) Lotion is applied according to manufacturer's instructions.
- e) Test curls are taken and the outcome assessed.
- f) Health and safety regulations are adhered to at all times.

National unit specification: statement of standards (Cont)

UNIT Perm and Neutralise Hair (Higher) (x2)

Note on range for the outcome

Preparation of client: gowning; protecting; positioning.

Preparation of self: protective clothing.

Hair: fine; medium; coarse.

Hair condition: normal; sensitised.

Lotion application: pre-damping; post-damping.

Hair length: above and below shoulder length.

Winding techniques: basic; brick; directional

Evidence Requirements

The candidate should supply performance evidence of two perms, one on above shoulder length hair and one on hair below shoulder length.

Observation of the candidate's performance in practical activities should be carried out by the lecturer/teacher using a checklist.

The candidate should supply written/oral evidence of understanding of the range for lotions, health and safety regulations. Short answer questions would be appropriate.

National unit specification: statement of standards (Cont)

UNIT Perm and Neutralise Hair (Higher (x2))

OUTCOME 4

Neutralise the hair and record the perming and neutralising processes.

Performance Criteria

- a) Hair is rinsed according to instructions.
- b) Hair is blotted to remove excess moisture.
- c) Neutraliser is prepared and applied and processed according to manufacturer's instructions.
- d) Rods are unwound without tension.
- e) Neutraliser is removed effectively.
- f) The client's comfort is ensured throughout.
- g) The finished result is to the satisfaction of the client.
- h) Health and safety regulations are adhered to at all times.
- i) Advice given on aftercare of the style is appropriate to maintain the look.
- j) The client's record card is completed accurately.
- k) The perming and neutralising processes are accurately reviewed and conclusions drawn.

Note on range for the outcome

Hair types: fine; medium; coarse.

Hair condition: normal; sensitised.

Application of neutraliser: sponge; applicator.

Hair length: above and below shoulder length.

Aftercare: products.

Evidence Requirements

The candidate should supply performance evidence of ability to perform two neutralising processes, one on above shoulder length hair and one on hair below shoulder length.

Observation of the candidate's performance in practical activities should be carried out by the lecturer/teacher using a checklist. This should be supported by the candidate's completed client record cards.

National unit specification: statement of standards (Cont)

UNIT Perm and Neutralise Hair (Higher) (x2)

The candidate should supply written/oral evidence of understanding how neutralisers may be prepared and relevant health and safety regulations. Short answer questions would be appropriate.

Written or oral evidence should be used to establish that the candidate can make an accurate review of his/her performance using appropriate criteria to evaluate the effectiveness of the perming and neutralising strategy, quoting relevant evidence and drawing justified conclusions.

National unit specification: support notes

UNIT Perm and Neutralise Hair (Higher) (x2)

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

GUIDANCE ON CONTENT AND CONTEXT

Guidance on content/context is included in the guidance on learning and teaching approaches below.

Safe and hygienic practices should be re-inforced throughout this unit in relation to client, self, equipment and the workplace. The regulations which cover technical hairdressing services are:

- The Health and Safety at Work etc Act 1974
- The Workplace (Health, Safety and Welfare) Regulations 1992
- The Manual Handling Operations Regulations 1992
- The Personal Protective Equipment at Work Regulations 1992
- The Provision and Use of Work Equipment Regulations 1992
- The Control of Substances Hazardous to Health Regulations 1992 (COSHH) to include subsequent amendments
- The Electricity at Work Regulations 1989
- Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1985

Lecturers/teachers should ensure that account is taken of up to-date legislation for chemicals used in perming and neutralising.

GUIDANCE ON TEACHING AND LEARNING APPROACHES

The greatest part of this unit should be practical activity supported by handout material, experiment, demonstration and discussion. Formative assessment, will play an important part in the development of relevant skills.

Every opportunity should be taken to clarify basic concepts by providing the candidate with the opportunity to see for himself/herself and conduct experiments which illustrate the results of good and bad practice.

The initial approach could allow the candidate to study handout material, supported by oral introduction from the lecturer/teacher, during which the candidate could be encouraged to make further notes. This should be followed by experiment and discussion. Experiments could be set up to establish the depilatory effect of permanent wave reagent on the hair. Microscopes could be used to examine different degrees of damage to the hair of examples exposed to various contact times with chemical. Hair coated with oil, conditioning cream or metallic salt dyes could also be examined and detailed notes made. Film illustrations, and electron microscope photographs could be used to promote an understanding of the effects of processing. Examples of perming reagents specifically manufactured for resistant, normal and porous hair, and chemicals used for hair straightening could be examined.

National unit specification: support notes (cont)

UNIT Perm and Neutralise Hair (Higher) (x2)

Summary hand outs could be distributed and a brief oral introduction given by the lecturer/teacher during which note taking/sketches should be encouraged.

The candidate could then, in a small group, prepare three samples of hair wound round rods, and secured by adhesive tape. These should be processed in permanent wave reagent for 20 minutes, rinsed, and blotted dry. The three rods should then be immersed for 15 minutes; one in water, another in 50% solution of neutraliser and another in full strength neutraliser.

Each sample should then be rinsed and the hair samples should be subjected to elasticity tests, the results noted and conclusions drawn. Group discussions should then take place, conclusions drawn and any further necessary note-taking made.

Use could be made of films or photographs of over-developed hair. Tests on hair which has been coated with different chemicals such as permanent hair colour and an incompatibility test could be carried out. Client handling skills can be shown by demonstration, role play, discussion and practice during practical work with clients.

In the planning stage, emphasis should be placed on the importance of analysing the hair correctly. Examples of different hair types could be shown, and the reasons given for selection of specific techniques and materials. The candidate could then be given a variety of heads to analyse, and discussions by the groups on results could take place, with notes being made by the candidate. The candidate who fails to analyse the hair types accurately should not progress until remedial teaching is given.

Examples of correct and incorrect practices could be shown on mannequin heads and the results of winding distortion illustrated. This demonstration can be effectively re-inforced by use of video film and other graphic illustrations. In handling reagents, the emphasis should be placed on safety and safe practices. The candidate should then practise winding techniques with the tutor observing manipulative skills, and, at an early stage identifying any difficulties for remedial teaching. When the candidate satisfies the tutor that he/she has reached a satisfactory standard the candidate may progress to part 2 of the activity - working on live models.

For the neutralising process the lecturer/teacher could demonstrate correct procedures allowing candidate participation, emphasising safety and the need to minimise client discomfort. Video or film could also be used to provide further illustration of method.

The candidate could then practise the neutralising process working on models whose hair has been processed either by the candidate or by a more experienced candidate.

National unit specification: support notes (cont)

UNIT Perm and Neutralise Hair (Higher) (x2)

GUIDANCE ON APPROACHES TO ASSESSMENT

It is recommended that assessment is integrated so far as possible. For example, written or oral questions are used to generate evidence for knowledge and understanding for other outcomes in this or other units.

The practical assessments for Outcomes 2-4 may be combined in the same assessment tasks, which may also be used to assess practical outcomes from other units.

See also the specification for unit Problem Solving (Intermediate 2).

For outcome 2 a checklist for observation of performance should include the following points:

- consult clients on requirements
- contra-indications to processing are identified
- relevant tests are carried out
- test results are recorded
- prepare clients and equipment for perming service
- select products and techniques
- follow health and safety procedures to comply with manufacturer's instructions and health and safety regulations

For outcome 3 a checklist for observation of performance should include the following points:

- prepare clients and self according to salon procedure
- section hair appropriately for planned wind
- wind the hair using the correct size of perm rod to achieve required curl strength
- wind the hair to determined winding pattern
- apply lotion according to manufacturer's instructions
- monitor timing throughout
- assess and record test curl
- follow health and safety for both self and clients throughout the service
- ensure clients' comfort throughout the service

National unit specification: support notes (cont)

UNIT Perm and Neutralise Hair (Higher) (x2)

For outcome 4 a checklist for observation of performance should include the following points:

- prepare hair for the neutralising process
- rinse hair according to instructions
- blot hair to take away excess moisture
- mix and apply neutraliser according to manufacturer's instructions
- allow neutraliser to process for correct period of time
- unwind rods without tension
- remove neutraliser effectively
- ensure clients' comfort throughout
- comply with salon health and safety procedures for both candidate and clients

SPECIAL NEEDS

This unit specification is intended to ensure that there are no artificial barriers to learning or assessment. Special needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments or considering alternative outcomes for units. For information on these, please refer to the SQA document *Guidance on Special Assessment and Certification Arrangements* (SQA, 1998).