



Australian Government

SHBHREF004 Enhance hair designs using chemical reformation techniques

Release: 1

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Modification History

Not applicable.

Application

This unit describes the performance outcomes, skills and knowledge required to create contemporary and classic hair designs, for a range of structures and lengths, enhanced by the creative application of chemical hair reformation treatments. It involves using chemical curling, volumising, straightening and relaxing techniques.

This unit applies to senior hairdressers and barbers who work in salons or as session stylists or technical advisors to product companies. They work independently, have considerable specialist skills and knowledge and provide technical leadership, training and support to team members.

No occupational licensing, certification or specific legislative requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Hair Reformation

Unit Sector

Hairdressing

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes

1. Develop advanced product knowledge, designs and techniques.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1. Develop and maintain chemical hair reformation product knowledge.
- 1.2. Research hair designs which incorporate chemical reformation and develop own designs and techniques.
- 1.3. Share new knowledge and techniques with other staff members.

2. Consult with client and assess hair.
 - 2.1. Access and review any existing client hair reformation history or create for new clients.
 - 2.2. Determine, through discussion and questioning, nature of client dissatisfaction with current degree of hair curl, wave or body.
 - 2.3. Discuss client preferences, and expectations of desired finished result using visual aids to assist.
 - 2.4. Engage client in discussion about lifestyle and self-care factors that may impact on success of chemical reformation treatment.
 - 2.5. Visually and physically examine and analyse client hair characteristics and condition.
 - 2.6. Evaluate planned or existing haircut structure for suitability of curling, volumising, straightening or relaxing effects.
 - 2.7. Consider the interplay of the elements and principles of hair design to visualise, communicate and recommend hair reformation treatments appropriate for the client.
 - 2.8. Determine the best design and obtain client agreement to proceed with recommended reformation services.
3. Select products and prepare for service.
 - 3.1. Use knowledge of hair biology and cosmetic chemistry, as it applies to hair reformation treatments, to ensure effective and safe use of chemicals.
 - 3.2. Select chemical reformation and matching neutralising products to match hair analysis and planned design.
 - 3.3. Select and prepare equipment according to product instructions and application methods to be used.
 - 3.4. Take personal precautions to prevent own skin reactions to reformation chemicals throughout preparation and reformation service.
 - 3.5. Measure and prepare reformation chemicals, according to product instructions and ensure minimal wastage.
 - 3.6. Apply wraps, towels and skin barrier cream to ensure client protection and safety.
4. Apply products using creative techniques.
 - 4.1. Maintain client and operator comfort and safety throughout reformation service according to organisational procedures.
 - 4.2. Select and use creative curling, volumising, straightening or relaxing techniques according to planned design.
 - 4.3. Apply products evenly at each stage in the process, according to product instructions.
 - 4.4. Time processing of reformation products, according to product instructions, check at regular intervals and judge when desired finished result is achieved.
5. Rinse, neutralise and
 - 5.1. Rinse hair thoroughly and evenly using tepid water to

condition hair.	remove residual reformation chemicals.
	5.2.Measure, apply and process neutralising products, according to product instructions.
	5.3.Rinse hair thoroughly to remove residual neutralising chemicals after specified product instruction processing time.
	5.4.Apply conditioning products, according to product instructions.
	5.5.Use water resources efficiently during service and safely dispose of hazardous and other waste according to organisational procedures.
6. Finish designs and service.	6.1.Select finishing tools and techniques and use to achieve planned designs to client satisfaction.
	6.2.Review service outcomes against client design expectations and confirm client satisfaction with result.
	6.3.Propose remedial action in response to any client concerns and post service analysis of hair condition and appearance.
	6.4.Reach agreement with client on proposed solutions through positive and open communication.
	6.5.Advise on after service maintenance and recommend home care products.
	6.6.Update client history to include full details of reformation service.

Foundation Skills

Foundation skills essential to performance in this unit, but not explicit in the performance criteria are listed here, along with a brief context statement.

Skill	Description
Reading skills to:	- interpret and analyse complex documents about creative hair design trends, chemical reformation techniques and products - interpret sometimes unfamiliar and detailed documents including organisational procedures, product instructions and safety data sheets.
Oral communication skills to:	- ask open and closed probe questions and actively listen to effectively interact with client and meet their needs - clearly represent complex and creative design concepts to clients and other hairdressers.
Numeracy skills to:	calculate and record strengths, measure and apply correct amounts of reformation chemicals and neutralisers

- Initiative and enterprise skills to:
 - manage application and processing times effectively.
 - proactively use opportunities to update knowledge of a creative approach to hair reformation services.
- Planning and organising skills to:
 - collect and evaluate research information to inform own creative hair designs which incorporate chemical reformation
 - manage own timing and productivity to complete creative reformation services within organisational service times.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=255d312b-db07-48f2-b6d6-1b0b06c42898>

Assessment Requirements for SHBHREF004 Enhance hair designs using chemical reformation techniques

Modification History

Not applicable.

Performance Evidence

Evidence of the ability to complete tasks outlined in elements and performance criteria of this unit in the context of the job role, and:

- complete a research project, using information from at least three different sources, to identify, explore and complete a written report on:
 - current chemical hair curling, volumising and straightening products and techniques and use in enhancing classic and creative hair designs
 - new and emerging products, techniques and creative hair designs which incorporate chemical reformation
- develop a creative hair design, which incorporates chemical reformation, for each of these haircut structures:
 - short
 - medium
 - long
 - solid form
 - layered
 - graduated
- incorporate these hair reformation enhancements cumulatively within the above suite of designs:
 - full head
 - partial head
 - changes in texture
 - adding curl root to point (spiral)
 - adding curl or volume point to root
 - adding waves
 - relaxing natural curl
 - increasing body
 - increasing volume
- consult with at least four clients, each with different haircut structures and hair reformation preferences, and complete reformation services using creative techniques to enhance their hair designs
- for each client, complete a pre-treatment hair analysis covering the following characteristics to recommend appropriate reformation treatments:
 - hair and scalp condition

- hair texture
- hair density
- hair porosity
- degree of curl or wave
- length of hair
- effects on hair of previous chemical services
- record the following details of the chemical reformation service in the history for each client serviced:
 - pre-service hair analysis
 - contraindications
 - desired degree of curl, wave or relaxation
 - products, strengths and processing times used
 - tools and techniques used
 - degree of curl, wave or relaxation achieved
 - recommended home care products.

Knowledge Evidence

Demonstrated knowledge required to complete the tasks outlined in elements and performance criteria of this unit:

- key characteristics and interrelationships of the elements and principles of hair design and use in achieving creative hair designs which incorporate chemical reformation;
 - elements of hair design:
 - line
 - shape
 - direction
 - size
 - texture
 - colour
 - principles of hair design:
 - balance
 - gradation
 - repetition
 - contrast
 - harmony
 - dominance
 - unity
- a wide range of chemical texturising and straightening techniques and effects on different haircut structures
- a range of different winding techniques and how these are used to achieve different effects when curling or volumising hair:

- fan wind
- classic wind
- directional wind
- spiral wind
- hair biology, at an elementary level of understanding:
 - main functions and role of hair
 - main factors contributing to degree of curl or wave in hair
 - structure and cellular features of hair and hair follicles
 - process of hair growth and the hair growth cycle
 - characteristics of normal and damaged hair
- basic concepts of cosmetic chemistry, as they apply to effective and safe use of chemical reformation products:
 - bonds
 - molecules
 - chemical compounds
 - chemical change
 - neutralisation
 - acids and bases
 - pH
- at an elementary level of understanding, the chemical and physical effects on hair structure and bonds, texture and curl or wave of:
 - protein fillers
 - perm solutions
 - chemical straightening and relaxing products
 - post-process conditioners
 - neutralisers
 - anti-frizz products
 - styling gels
 - application of heat
- key factors that influence degree of curl, body and relaxation achieved:
 - hair porosity
 - hair condition
 - product type and strength
 - processing time
 - environmental humidity
 - tools and techniques used
- contraindications to using chemical hair reformation products:
 - abnormal scalp conditions, including broken or weeping areas of skin
 - hair or scalp damage from previous chemical hair treatments
 - highly porous hair

- resistant hair
- organisation's chemical hair curling, volumising and straightening products range:
 - strengths and formulation
 - product purpose
 - action on the hair
 - limitations to achieving desired result
 - application instructions
 - processing times
 - role and basic content of Safety Data Sheets (SDS) or plain English workplace documents or diagrams that interpret SDS content
- basic aspects of local government, state or territory health regulations applicable to providing chemical hair reformation services
- industry practices and organisational procedures for:
 - client comfort and safety with particular emphasis on:
 - using gown and towels to protect client clothes
 - application of barrier creams to face and neckline
 - avoiding product contact with eyes
 - avoiding hair breakage by application 1cm from hair root
 - monitoring client scalp comfort and condition
 - work health and safety for providing chemical reformation treatments, with particular emphasis on:
 - avoiding product contact with operator eyes and skin
 - avoiding inhalation of fumes during product preparation and application
 - using correct posture and adjusting height of client chair to avoid fatigue and injury
 - using correct techniques to hold, grip and manipulate hair reformation tools to avoid fatigue and injury
 - minimising wastage of chemical reformation products
 - water efficiency
 - waste disposal with particular emphasis on environmentally sound disposal methods for hazardous and other hairdressing waste.

Assessment Conditions

Skills must be demonstrated in a hairdressing or barbering environment; this can be:

- a hairdressing or barbering industry workplace; or
- a simulated hairdressing or barbering workplace, set up for the purpose of skills assessment that provides services to paying members of the public.

Assessment must ensure use of:

- paying clients with different hair curling, volumising and straightening requirements; these can be:

- clients in a hairdressing or barbering industry workplace, or
- clients in a simulated hairdressing or barbering workplace within a training organisation who have the expectation that the services provided reflect those of a commercial business
- activities that require the individual to work with commercial speed, timing and productivity to complete client services within designated timeframes that reflect accepted industry practice
- a ventilated product preparation area with:
 - preparation benches
 - product storage areas including secure storage for hazardous substances
 - washing up sink with hot and cold running water for cleaning equipment
 - operator hand washing facilities:
 - basin with hot and cold running water
 - liquid soap
 - single use towels or hand dryer
 - a diverse professional range of chemical hair curling and volumising products of various strengths to include:
 - pre-perm porosity treatments
 - alkaline perms
 - acid perms
 - neutralisers
 - a diverse professional range of chemical straightening products of various strengths to include:
 - pre-process fillers
 - curl relaxers for chemically treated hair
 - hair straighteners for untreated naturally curly or wavy hair
 - hair straighteners for strong or resistant natural curls
 - neutralisers
- a hairdressing or barbering services workstation with:
 - one mirror per workstation
 - one adjustable client services chair per workstation
 - one blow dryer per workstation
 - heat lamps
 - heat diffuser
 - clean client gowns or wraps
 - clean client towels
- one operator trolley per workstation stocked with:
 - applicator brushes
 - cotton wool
 - hair rollers of different sizes
 - medium-toothed combs with even edges

- perm papers
- perm rods of various sizes
- pin curl clips
- plastic bowls
- straightening boards
- post process styling products
- personal protective equipment:
 - apron
 - disposable safety masks or safety goggles
 - rubber or disposable gloves
 - skin barrier cream
- a basin services area with:
 - shampoo back wash basins with hot and cold running water and adjustable temperature controls
 - shampoo hoses or spray attachments
 - client shampoo chairs or couches
 - clean client gowns or wraps
 - clean client towels
 - a diverse professional range of:
 - pre-process shampoos and softeners
 - post process conditioning products
- product:
 - instructions
 - Safety Data Sheets (SDS) or plain English workplace documents or diagrams that interpret SDS content
- template client history records
- organisational procedures for:
 - client comfort and safety
 - work health and safety for providing chemical reformation treatments
 - waste minimisation
 - water efficiency
 - disposal of hazardous and other waste.

Assessors must satisfy the Standards for Registered Training Organisation's requirements for assessors; and:

- hold a Certificate IV qualification in Hairdressing, or be able to demonstrate equivalence of competencies; and

- have at least three years full time employment experience as a hairdresser in a salon environment where they have applied the skills and knowledge covered in this unit of competency to assess this unit as **part of a hairdressing qualification**; this cannot include any indentured traineeship or apprenticeship period; or
- have at least three years full time employment experience as a barber in a shop or salon environment where they have applied the skills and knowledge covered in this unit of competency to assess this unit as **part of a barbering qualification**; this cannot include any indentured traineeship or apprenticeship period.

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