

Title	Demonstrate knowledge of human body structure and systems for beauty therapy services		
Level	4	Credits	4

Purpose	People credited with this unit standard are able to demonstrate knowledge of: the organisational structure of the human body; the skeletal, muscular, and superficial circulatory systems relevant for beauty therapy services; and the sensory nerves of cutaneous tissue relevant for beauty therapy services.
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Classification	Beauty Services > Beauty Therapy
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Available grade	Achieved
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Explanatory notes

1 Assessment information

Evidence generated during assessment against this unit standard must be consistent with industry practice and knowledge. Such knowledge is available in reference texts, models, and other information-bearing media. No one textbook or other source of information is envisaged, as new approaches to the study of body systems and beauty therapy are published regularly.

Evidence generated during assessment against this unit standard must also be consistent with The New Zealand Association of Registered Beauty Therapists, *Code of Ethics for Members of The New Zealand Association of Registered Beauty Therapists Inc.* (9th ed, April 2009) (Auckland, NZ), and The New Zealand Association of Registered Beauty Therapists, *Health and Hygiene Guidelines* (1st ed, August 2016) (Auckland, NZ), both available from <http://www.beautynz.org.nz>.

2 The focus of this unit standard is the structure of human body systems that are healthy and functioning properly. Diseases and disorders are included only where appropriate to the professional competence of a beauty practitioner.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of the organisational structure of the human body.

Evidence requirements

1.1 The levels of structural organisation of the body are defined in order of increasing complexity.

Range chemical, cellular, tissue, organ, system, organism.

1.2 The major systems of the body are defined according to function.

Range one function of each of the following systems – cardio-vascular, circulatory, muscular, skeletal, nervous, lymphatic, endocrine, reproductive, urinary, integumentary, digestive, respiratory.

Outcome 2

Demonstrate knowledge of the skeletal system relevant for beauty therapy services.

Evidence requirements

2.1 The physiology of the skeletal system is described.

2.2 Principal bones are identified.

Range includes but is not limited to –
bones of the head and shoulders – parietal, frontal, ethmoid, sphenoid, occipital, temporal, nasal, zygomatic, maxillae, lacrimal, conchae, palatine, mandible, vomer, clavicle, scapula, hyoid;
bones of the lower arm and hand – ulna, radius, carpals, metacarpals, phalanges;
bones of the lower leg and foot – tibia, fibia, tarsals, metatarsals, phalanges.

Outcome 3

Explain the muscular system relevant for beauty therapy services.

Evidence requirements

3.1 The physiology of the muscular system of the body is described.

3.2 The position of the principal muscles is identified.

Range includes but is not limited to –
head and shoulders – orbicularis oculi, orbicularis oris, masseter, buccinator, sterno-cleido mastoid, trapezius, platysma, deltoid, levator anguli oris, levator labii superioris, depressor anguli oris, depressor labii inferioris, mentalis, zygomaticus, temporalis, nasalis, frontalis, occipitalis, pterygoids, procerus, corrugator, pectoralis major and minor;
lower arm and hand – palmar aponeurosis, muscles of the hypothenar eminence, muscles of the thenar eminence, extensor carpi ulnaris, extensor retinaculum, flexor retinaculum, tendon of palmaris;
lower leg and foot – gastrocnemius, soleus, tibialis anterior, extensor digitorum longus, peroneus longus, flexor digitorum longus, Achilles tendon.

Outcome 4

Demonstrate knowledge of the superficial circulatory system relevant for beauty therapy services.

Range arteries, veins, arterioles, venules, capillaries.

Evidence requirements

- 4.1 The superficial circulatory system and the blood are described in terms of composition, anatomy, and physiology.
- 4.2 The interrelationship between the superficial circulatory system, the skin, and the lymphatic system is explained.

Outcome 5

Demonstrate knowledge of the sensory nerves of cutaneous tissue relevant for beauty therapy services.

Evidence requirements

- 5.1 The interrelationship between the sensory nerves and the skin is explained.
- 5.2 The components of the sensory nervous system are identified according to cutaneous sensation.

Range free nerve ending, Kraus end bulb, ruffini endings, Meissner corpuscles, merkel disk, root hair plexus, Pacinian corpuscle.

Replacement information	This unit standard replaced unit standard 19594 and unit standard 19604.
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Planned review date	31 December 2021
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	15 September 2016	N/A

Consent and Moderation Requirements (CMR) reference	0035
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the NZ Hair and Beauty Industry Training Organisation Inc enquiries@hito.org.nz if you wish to suggest changes to the content of this unit standard.