



Australian Government

HLTPHA020 Apply knowledge of biological principles within the pharmacy environment

Release: 1

HLTPHA020 Apply knowledge of biological principles within the pharmacy environment

Modification History

Not applicable.

Application

This unit of competency describes the performance outcomes, skills and knowledge required to recognise and apply the fundamental biological principles needed to assist with provision of information to patients in a hospital or health services pharmacy setting.

This unit applies to hospital or health services pharmacy assistants and technicians working under the supervision of an authorised person.

The skills in this unit must be applied in accordance with Commonwealth and State or Territory legislation, Australian standards and industry codes of practice.

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

Pre-requisite Unit

Nil

Competency Field

Pharmacy

Unit Sector

Health

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes

1. Understand basic human biology.

PERFORMANCE CRITERIA

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

- 1.1. Describe the basic functions of human biology, the functions of the musculoskeletal, cardiovascular, respiratory, nervous, endocrine and genito-urinary, and lymphatic systems, and the sensory organs function.
- 1.2. Identify how carbohydrates, lipids and proteins affect the human body.
- 1.3. Identify the function of enzymes and nucleic acids and how

- they affect the human body.
- 1.4. Identify the classification of micro-organisms and the basic difference between them.
 - 1.5. Determine the biological functions and effect of water on the human body.
2. Provide biological information to patients.
 - 2.1. Determine the scope of the job role with regard to the provision of information to patients by checking with an authorised person.
 - 2.2. Service patients and provide them with biological feedback that is within the scope of job role and is relevant to their medical condition.
 3. Conduct follow-up to determine patients' understanding.
 - 3.1. Discuss relevant biological points further with patients to ensure they fully understand the relevance to their medical situation.
 - 3.2. Inform patients of relevant medical or pharmaceutical follow-up requirements.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>

Assessment Requirements for HLTPHA020 Apply knowledge of biological principles within the pharmacy environment

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

- provide relevant biological information to patients on at least 4 occasions, including:
 - conveying relevant information about:
 - basic human biology
 - basic function of carbohydrates, lipids and proteins
 - functions of enzymes
 - functions of nucleic acids
 - the biological significance of water on the human body.

Knowledge Evidence

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

- basic human biology, including:
 - human organs and systems:
 - the functions of the sensory organs
 - the functions of the musculoskeletal, cardiovascular, respiratory, nervous, endocrine and genito-urinary and lymphatic systems
- functions of carbohydrates, lipids and proteins
- functions of enzymes
- functions of nucleic acids:
 - the biological significance of water on the human body
 - scope of role in terms of information provision to patients
 - effective patient communication principles and processes
- National, State or Territory legal and ethical requirements including:
 - codes of conduct
 - duty of care and implications of negligence
 - privacy, confidentiality and disclosure
 - records management
 - rights and responsibilities of workers, employers and patients
- specific legislation:

- the practice of pharmacy
- work role boundaries including responsibilities and limitations
- work health and safety
- key information in standard pharmaceutical references and their use by pharmacy assistants, including:
 - Australian Pharmaceutical Formulary Handbook (APF)
 - Monthly Index of Medical Specialities (MIMS) or AusDI Advanced
 - Micromedex
 - Australian Medicines Handbook (AMH)
- legal responsibilities of providers of health care in relation to confidentiality, patient rights, duty of care and implications of negligence
- limitations of own work role including identification and referring of issues outside scope of practice to an authorised person.

Assessment Conditions

Skills must be demonstrated in the workplace or in a simulated environment that reflects workplace conditions:

Assessment must ensure access to:

- use of suitable research resources:
 - relevant legislation, regulations and guidelines
 - biological and physiological resources
- modelling of industry operating conditions, including time constraints for completing activities
- authorised person with whom to consult.

Assessors must satisfy the Standards for Registered Training Organisations' requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>